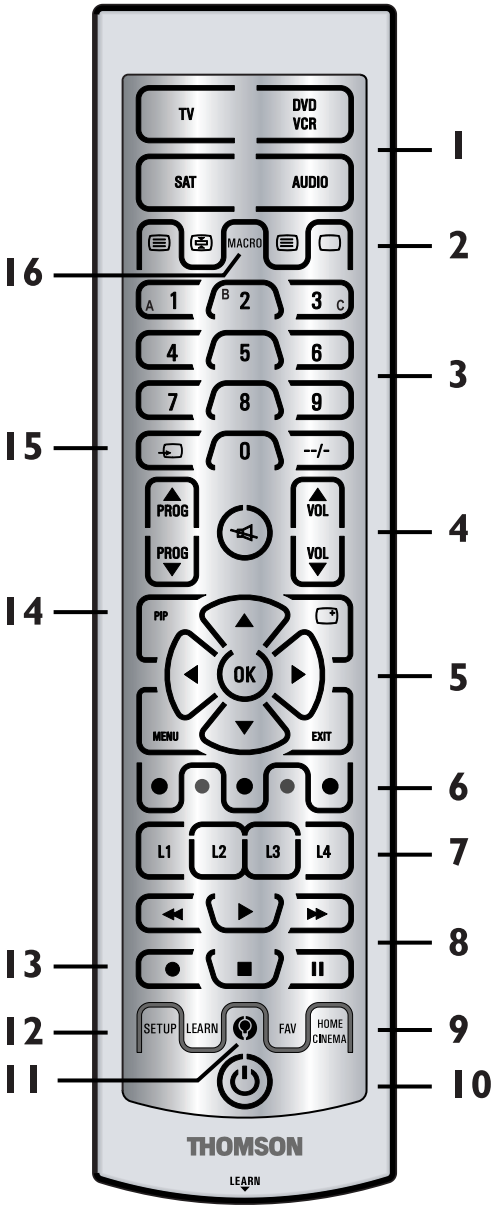
THOMSON

ROC4505

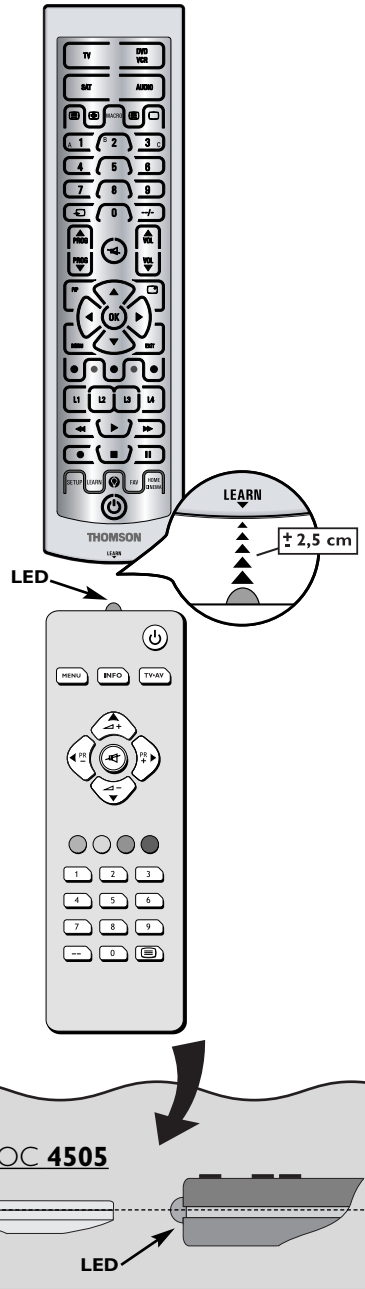
User manual

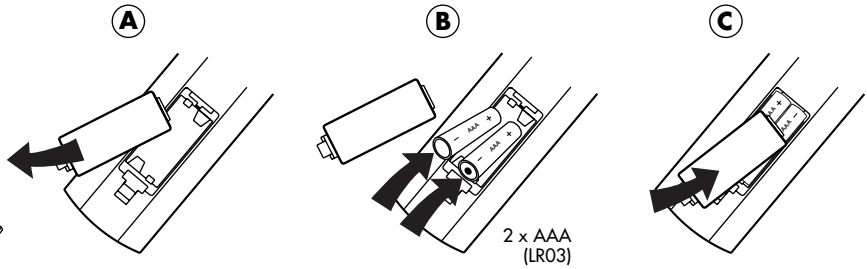
A THOMSON BRAND

ROC **4505**



LEARNING





Respect the environment and the law!
Respectez l'environnement et la loi !
Schützen Sie die Umwelt und halten Sie die geltenden Entsorgungsbestimmungen ein!
Rispettate l'ambiente e la legge!
¡Respete el medio ambiente y la ley!

The **ROC 4505** is a universal remote control (4 in 1). It can replace 4 remote controls thanks to its 4 mode keys **TV**, **DVD**, **VCR**, … It is compatible with the majority of television sets, video cassette recorders, DVD players, satellite and cable receivers as well as terrestrial digital television (DVBT), amplifiers and other audio equipment provided they are controlled by infra red signals. It has 4 additional function keys (**L1** to **L4**) that can be used as additional device keys. It incorporates a home cinema mode that transforms your installation by bringing together virtually all devices and considering them as a single device, each part of the remote control then controls parts of this ensemble.

This remote control has been factory programmed to allow you to use it immediately with the majority of Thomson Group devices. We therefore advise you to try it before beginning to program it. If programming is necessary, follow one of the methods A, B, C or D that are given in this manual. But first, install 2 batteries (AAA) in the remote control.

Keep these instructions and the separate list of codes in a safe place so that you can later reprogram your remote control.

Description of keys

1 Remote control mode
Selects device to control TV, DVD, VCR, …

2 Teletext
Activates and controls Teletext, Videotext and Fastext pages.

3 Numbered keys
Selects channels having one or 2 figures (--), inputs numeric values, selects macro (A, B, C).

4 Channels and Sound
Keys for zapping, adjusting sound volume and muting sound.

5 Navigation
Activates and controls menus (display, deleting, selection, confirmation).

6 Colour keys
Use of teletext (Fastext) or the specific functions of certain devices

7 Keys **L1**, **L2**, **L3**, **L4**
Keys dedicated to the Learning function. Become additional function keys able to copy other keys.

8 Play keys
For use with cassettes (VCR) or discs (DVD, CD, …).

9 Programmable keys
HOME CINEMA: puts the remote control in a mode allowing control of several pieces of equipment generally found in typical Home Cinema installations (TV, amplifier, DVD player (page 5).
FAV: allows you to return to one of your 2 favourite channels and toggle from one to the other (page 6).

10 On / Standby
or Standby only depending on devices.

11
Turns key backlight ON or OFF.

12 Installation / adjustment keys
LEARN: used for the learning codes procedure (key copying) (page 4).
SETUP: used for various adjustment procedures and remote control programming.

13
Record key. Can be used in any remote control mode.

14 **PIP** and
Display and removal of the PIP image and information (channel number, …).

15
Selects the connectors (AV) to which devices are going to be connected (TV source / video).

16 **MACRO**
Linked with keys **A**, **B**, **C**, this key allows sequences of commands to be triggered. Each sequence may include up to 10 keys.

Note: depending on devices, brands, and year of manufacture, the functions covered may be more or less wide-ranging.

DVBT (Digital Video Broadcast Terrestrial): in those countries where this service is available, you can control a DVBT receiver by entering its code from the separate list under a mode key (SAT or other).

Testing the remote control before programming

1. Turn on the device that you wish to control.
2. Press the key corresponding to the type of device to control:
   TV : television set,
   DVD : DVD player,
   VCR : video cassette recorder,
   SAT : satellite / cable,
   AUDIO : Hifi.
3. Point the remote control at the device you wish to control and try to turn it off using the key. If the device does not turn off, you must program the remote control using one of the methods A, B, C or D as described below.

*Note 1: Except for the **TV** key, each mode key (**DVD**, **VCR**, …) can be programmed to control a different device from that indicated on the key. It is therefore possible to allocate, for example, the Satellite mode to the **DVD** key. You need to enter the code corresponding to the manufacturer and the device you wish to program by following one of the methods given in this manual. However, method D (automatic code search) will simplify the task greatly. It is only necessary to enter the code from the list corresponding to the type of device (e.g.: 603 for a Thomson satellite receiver) then to run the automatic search procedure. The remote control will then test all the codes until it finds those that control the receiver.*

Note 2: To control 2 devices of the same type and same make (2 Thomson video cassette recorders, 2 Thomson satellite receivers, etc.) first make sure that these two devices have been already adjusted to react to different sub codes (A and B codes on Thomson devices). Then successively program 2 mode keys using method D.

Programming the remote control

Method A – Fast programming with 1-digit subcode

Before you start programming, you must find the subcode of the set to be controlled.
Refer to the list provided with these instructions, page I of the subcodes.

1. Switch on the set you want to control.
2. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit (the indicator lamp remains lit for several seconds in order to let you continue with the following steps. The blinking of the indicator indicates the end of the available time, then it goes out).
3. Press the key that corresponds to the type of equipment you want to control:

   TV: television set - DVD: DVD player - VCR: video cassette recorder - SAT: satellite / cable - AUDIO: Hifi system.
4. While the indicator is lit, type in the subcode (example: 1 for THOMSON).
5. Direct the remote control towards the set and try to switch it off by pressing the ⏻ key.
6. If the set you want to control switches off, press **OK** to memorise the subcode.
7. Should the set not switch off, press ⏻ key, repeatedly, until the set switches off. Between two key presses, leave enough time for the key corresponding to the selected mode enough time to light up again (about 1 second). Proceeding this way will enable you to see whether the set responds or not.
8. Immediately upon the switching-off of the set to be controlled, press **OK** to store the subcode.

Check of the programming

In principle, your set is ready for receiving the remote control commands. Check your remote control for proper functioning by performing the test described on page 3.

Method B – 3-digit codes Programming

Before you start programming, you must find the code of the set to be controlled.
Refer to the list provided with these instructions, page II of the codes.

1. Switch on the set you want to control.
2. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit (the indicator lamp remains lit for several seconds in order to let you continue with the following steps. The blinking of the indicator indicates the end of the available time, then it goes out).
3. Press the key that corresponds to the type of equipment you want to control:

   TV: television set - DVD: DVD player - VCR: video cassette recorder - SAT: satellite / cable - AUDIO: Hifi system.
4. While the indicator is lit, enter the first digit of the 3-digit code proposed for the set to be controlled (example: 036 for Thomson).
5. Direct the remote control towards the set and try to switch it off by pressing the ⏻ key.
6. Should the set not switch off, repeat step 2. Then type in the next 3-digit code. Try to switch off the set by pressing ⏻ key once. Repeat this procedure by trying out each of the 3-digit codes.

Check of the programming

In principle, your set is ready for receiving the remote control commands. Check your remote control for proper functioning by performing the test described on page 3.

Method C – Programming by means of code retriever

Should none of the codes work, you still have the possibility of retrieving the appropriate code without having to perform any input.

1. Switch on the set you want to control.
2. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit
3. Press the key that corresponds to the type of equipment you want to control:

   TV: television set - DVD: DVD player - VCR: video cassette recorder - SAT: satellite / cable - AUDIO: Hifi system.
4. Direct the remote control towards the set and try to switch it off by pressing the ⏻ key.
5. If the set you want to control switches off, press **OK** to memorise the subcode.
6. Should the set not switch off, press ⏻ key, as many times as required (up to 200 times), until the set switches off. Between two key presses, leave enough time for the key corresponding to the selected mode enough time to light up again (about 1 second). Proceeding this way will enable you to see whether the set responds or not.
7. Immediately upon the switching-off of the set to be controlled, press **OK** to store the code.

Check of the programming

In principle, your set is ready for receiving the remote control commands. Check your remote control for proper functioning by performing the test described on page 3.

Try out other remote control keys to find out the range of functions you can control. If you think that not all of the keys are active, repeat the procedure of this programming method to find out the code supporting a wider range of features.

Method D - Automatic code search

With this method, the remote control scrolls through the full code list by sending an IR signal to the set to be controlled remotely. Proceed as follows:

1. Check that your equipment is on. If not, switch it on manually.
2. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit (the indicator lamp remains lit for several seconds in order to let you continue with the following steps. The blinking of the indicator indicates the end of the available time, then it goes out).
3. Release the **SETUP** key.
4. Press the key corresponding to the type of equipment (for example **TV**).
5. Press the **PROG ▲** . key once. After a few seconds the remote control begins to list all the codes included in the library (around 1 code per second). Press **PROG ▲** a second time to reduce the speed of the test (1 code every 5 seconds). As soon as the device changes channel you must immediately press **OK** to record the code and stop the listing. If you don't react quickly enough, simply return to the previous code by pressing **PROG ▼** (you can restart the forward listing by pressing **PROG ▲** . As soon as the device reacts again, press **OK** to record the code.

Method E – Programming for control of a COMBO (combined TV-VCR, TV/DVD, VCR/DVD, … set)

Depending on the COMBO group (TV/VCR, VCR/DVD, etc.) and the make, you will be required to enter a single code for both devices in the COMBO, or to enter two codes, one code per device. Consult the separate list to discover this. Before you start programming, you must find the subcode or code of the subset to be controlled (television or video recorder).
Refer to the list supplied with this user manual (see page subcodes or codes).

1. Switch on the COMBO you want to control.
2. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit.
3. Press the key of the first device to control, and then follow one of the programming methods A, B, C or D previously described.
4. If a second code programming is required, then repeat steps 2 and 3 above.

How to retrieve a programmed code?

It may be useful to retrieve the code programmed in the remote control.

1. Hold the **SETUP** key down until the key corresponding to the last selected mode blinks and then remains lit.
2. Press the key that corresponds to the type of equipment you want to control:
   TV: television set - DVD: DVD player - VCR: video cassette recorder - SAT: satellite / cable - AUDIO: Hifi system.
3. Press the **SETUP** key briefly, so that the last mode selected blinks once.
4. Press the numbered keys in ascending order (0 to 9) until the selected mode blinks once.
5. The number that caused the selected mode to blink is the first of the three numbers that make up your code. Make a note of it below
6. Repeat step 4 to find out the two other numbers of the code.
7. When the third number has been found, the indicator light for the selected mode goes out.

Check of the programming

- *For a television or a satellite receiver: switch on and, for example, press 2 to change channels.*
- *Video recorder: load a tape and then press (▶).*
- *DVD player: load a DVD and then press (▶).*

Try other remote control keys to find out the range of functions you can control. If you think that not all of the keys are active, try the programming Method B or C.

When you have retrieved the code of your set, jot it down so that you can use it whenever needed.

Programming a sequence of commands (Macro)

The **MACRO** key in coordination with one of the keys **A**, **B**, or **C** allows the programming and memorisation of up to 3 command sequences (the automatic and successive pressing of several keys of your choice). Thus any sequence of key commands can be reduced to merely 2 commands (**MACRO** key + **A**, **B**, or **C** key). For example after programming, by pressing **MACRO** then key **A** you could turn on your television set, turn on your satellite or cable receiver, zap to a preferred channel, turn on your video cassette recorder and start a recording session (providing a cassette was previously loaded). You can memorise a sequence of 10 commands with each **A**, **B**, or **C** key.

Note: during the programming of a macro, the time between each step is limited to a few seconds. This leaves little time for reading the instructions and then carrying them out. If the mode indicator light blinks and then goes out, it is because this time limit has been exceeded, you must start again from step 1.

To record a MACRO:

1. Press and hold down the **SETUP** key until the mode key blinks (**TV**, **VCR**, …) and then remains lit (after 2 or 3 seconds).
2. Release the **SETUP** key.
3. Press the **MACRO** key once. The mode key blinks.
4. Press once the **A**, **B**, or **C** key which you are going to use to memorise the sequence.
5. Press once on the (**TV**, **VCR**, …) mode key of the first device you wish to control (the first key must always be a mode key.)
6. Successively press the keys corresponding to the commands you wish to send to the device(s) (9 keys maximum, including other mode keys). The mode key blinks when each key is pressed.
7. Memorise your key sequences by pressing the **MACRO** key once. The mode key is no longer lit and your Macro is complete.

Note: a sequence will be automatically memorised after the tenth key press (counted from the mode key) and the mode key light will go out.

To use a MACRO:

Press the **MACRO** key once and, within 20 seconds, press the **A**, **B**, or **C** key you used to memorise the sequence.

Note: when running a Macro (which takes a few seconds), ensure that the remote control is aimed at the device being controlled.

Remarks:

- *The default time between sending 2 commands when using a macro is half a second.. However, it is possible that you will need to add longer periods in your sequence in order to allow enough time for certain devices to turn themselves on. To lengthen the time period between 2 commands, press once on the key and then press one of the keys from 1 to 9 in order to insert a pause from 1 to 9 seconds.*
- *The first key in a sequence must always be a (**TV**, **VCR**, …) mode key.*

Deleting a MACRO:

1. Press and hold down the **SETUP** key until the mode key blinks (**TV**, **VCR**, …) and then remains lit (after 2 or 3 seconds).
2. Release the **SETUP** key.
3. Press once on the **MACRO**. key. The mode key begins to blink.
4. Press once the **A**, **B**, or **C** key that represents the sequence to delete.
5. Press and hold down the **SETUP** key. The mode key light goes out and the sequence is now deleted.

Learning function

If the make of the device you wish to control is not in the separate code list, you can copy the key functions of the original remote control of the device into your **ROC 4505**. Depending on the format of the transmission codes of the original remote control, your **ROC 4505** remote control can memorise up to 150 keys

Global delete – Delete all the keys copied (this is recommended the first time you use this function)

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press twice on the **LEARN**. key. The key goes out and then relights.
4. Press once on the **SETUP** key. The mode key goes out after several seconds.
5. All the copied keys are now deleted.

Before starting

- *The batteries in the 2 remote controls must be in good condition; change them if necessary.*
- *The keys **L1** to **L4** allow you to copy 4 additional keys.*
- *First copy 2 or 3 keys from the original remote control in order to check the compatibility of the codes of both remote controls. Then carry out a global delete of these keys before starting the full learning procedure.*
- *Lay out the original remote control and your **ROC 4505** end to end so as to align the LED diodes on the 2 remote controls. Where necessary adjust the height of both remote controls so that the LED diodes are properly aligned.*
- *Check that the 2 remote controls are approximately 2.5 cm apart (a thumb width).*
- *Do not move the remote controls during the learning procedure.*
- *Ensure that the room is not lit by fluorescents tubes or low consumption lamps since such light sources can interfere with the copying.*
- *The 2 remote controls must be at least one metre away from any light source.*
- *Avoid copying **VOL** and keys codes and the play keys (8) since depending on the remote controls the codes of these keys do not necessarily control the same devices.*
- *When the memory of your **ROC 4505** is full, the mode key will blink for 3 seconds. It is then not possible to copy any more codes without first carrying out a global delete.*
- *When you copy a key, it is possible that the mode key will blink feebly. In this case, do not release the key and wait until the blinking stops.*

Note 1: if the learning procedure does not seem to work correctly, try the following:

1. *End the learning procedure by pressing **SETUP**.*
2. *Check that the LEDs of the two remote controls are properly aligned. Carry out the alignment procedure.*
3. *Modify the distance between the remote controls, increasing or reducing the distance from 1.5 cm to 5 cm.*
4. *Restart the procedure from the beginning.*

5. *If the problem persists and always with the same key, check that the original remote control is actually operating: is it sending IR signals? (check batteries; is it correctly aligned in relation to the diode on your* **ROC 4505***?*

Note 2:

- *You cannot copy keys to the* **LEARN**, **BACKLIGHT**, **SETUP**, **MACRO**, **FAV**, **HOME CINEMA** *keys.*
- *All the keys copied to a mode will be deleted if a 3 figure code is entered for this mode (and likewise for direct entry of a code, search of a code or make).*

Identifying the position of the diode on the original remote control (keys to copy)

If the LED of the original remote control is not visible (for example, if hidden behind a dark plastic plate), the instructions below will help you to locate it precisely.

1. Place the front of the original remote control (the part you point at the device to control) around 2.5 cm from the LED of your **ROC 4505** opposite **LEARN** (see LEARNING diagram at beginning of instructions).
2. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
3. Release the **SETUP** key.
4. Press once on a mode key (**TV**, **DVD**, **VCR**, …). The key goes out and then relights.
5. Press once on the **LEARN** key.
6. Hold down one of the keys on the original remote control while moving the remote control from left to right. As soon as the 2 remote controls are correctly aligned, the mode key blinks rapidly.
7. To copy the key functions from your original remote control into your **ROC 4505**, go to step 5 of "To copy keys".

Note: Some original remote controls don't transmit continuous IR signals when a key is held down. If this is the case, press several times on one of the keys while moving the remote control from left to right.

To copy keys

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press once on the mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.
4. Press the **LEARN** key once.
5. Press once on the key of your **ROC 4505** to which you want to copy one of the keys of your original remote control.
6. Hold down the key of the original remote control you wish to copy until the mode key goes out and then relights (2 to 3 seconds). In case of problems, the mode key will blink for 3 seconds but will remain in learning mode. Try again or try another key.
7. For the other keys, repeat the procedure from step 5 onwards.

Press the **SETUP** key once when all the desired keys have been copied. The mode key goes out.

To delete all keys copied under a mode

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit
2. Release the **SETUP** key.
3. Press once on a mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.
4. Press twice on the **LEARN**. key. The key goes out then relights.
5. Press once on the **SETUP** key. The mode key goes out. All the keys copied under this mode are deleted.

The HOME CINEMA key

The Home Cinema mode is a mode in which certain keys of the remote control are dedicated to those devices that you select. This becomes possible after allocating a mode key (**TV**, **DVD**, …) to a group of keys previously dedicated to this mode. For example, the play keys (8) can be allocated to a video cassette recorder, a DVD player, a cassette player, hifi system, etc. It is up to you to choose which device you will allocate to this group of keys. You need to do the same for the other groups of keys.

The groups of keys are:

All the keys except the **PROG**, **VOL** and mute keys, as well as the play keys (8) plus the navigation keys (5).

- the **PROG** ▲ ▼ key
- the **VOL** ▲ ▼ and mute keys (4)
- play keys
- the navigation keys, **MENU**, **EXIT**, **OK**.

How to program the HOME CINEMA key?

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press once on the **HOME CINEMA** key. The mode key goes out then relights.
4. Select the device allocated to the number keys (1 to 9).

Press once on a numbered key then once on a mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.

5. Select the device allocated to the **PROG** key (channel changes).

Press once on the **PROG** key then once on a mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.

6. Select the device allocated to the **VOL** and mute keys.

Press once on the **VOL** or mute (4) keys then once on the mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.

7. Select the device allocated to the play keys ⏮ ▶ ⏭ ⏺ ⏹ ⏸.

Press once on one of these keys (8) then once on the mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.

8. Select the device allocated to the navigation keys ▲ ▼ ◀ ▶, **MENU**, **EXIT**, **OK**.

Press once on one of the navigation keys (5) then once on a mode key (**TV**, **DVD**, **VCR**, …). The key goes out then relights.

9. End of the programming

Press once on the **HOME CINEMA** key. The mode key goes out. The programming of the **HOME CINEMA** key is finished.

How to delete the programming of the HOME CINEMA key?

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press once on the **HOME CINEMA** key. The key goes out then relights.
4. Press once on the **SETUP** key. The **HOME CINEMA** key has now been deprogrammed.

Notes:

- *During the programming of the* **HOME CINEMA***, key, any action on the* **FAV**, **MACRO** *keys, or mode keys (***TV**, **DVD***, …) halts the procedure.*
- *The default input mode is TV mode.*
- *The group keys can be programmed in any order.*
- *The remote control remains in programming mode as long as the* **HOME CINEMA** *key is not pressed again.*
- *The* **HOME CINEMA** *key cannot be included in a Macro or selected as favourite (FAV).*

The FAV key (9)

This key allows you to memorise two of your favourite channels. Access to one or the other channel is toggled by pressing the **FAV** key.

How to program the FAV key?

1 Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.

2. Release the **SETUP** key.
3. Press once on the **FAV** key. The key goes out then relights.
4. Press a mode key (**TV**, **VCR**,…) then enter the number of your first favourite channel. The key goes out then relights.
5. Press once on the **FAV** key. The key goes out then relights.
6. Press a mode key (**TV**, **VCR**, …) then enter the number of your second favourite channel. The key goes out then relights.
7. Press once on the **FAV** key. The key goes out.

The PIP key

This key operates like this key on your original remote control.

Other functions

Placing all devices on standby

Press the ⏻ key twice in less than one second, keeping it held down the second time. All the devices go on standby one after the other.

Adjustment of ALL volume controls under a specific mode

You can allocate the volume control to one of the modes of the remote control on condition that the volume control exists on the corresponding device (e.g. control of TV sound in TV mode, or VCR, …).

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press the 🔇 key until the mode key blinks once.
4. Press once on the mode key (**TV**, **VCR**, …) corresponding to the device whose volume will always be controlled by the **VOL** and 🔇 keys.

Adjustment of the volume controls for EACH mode.

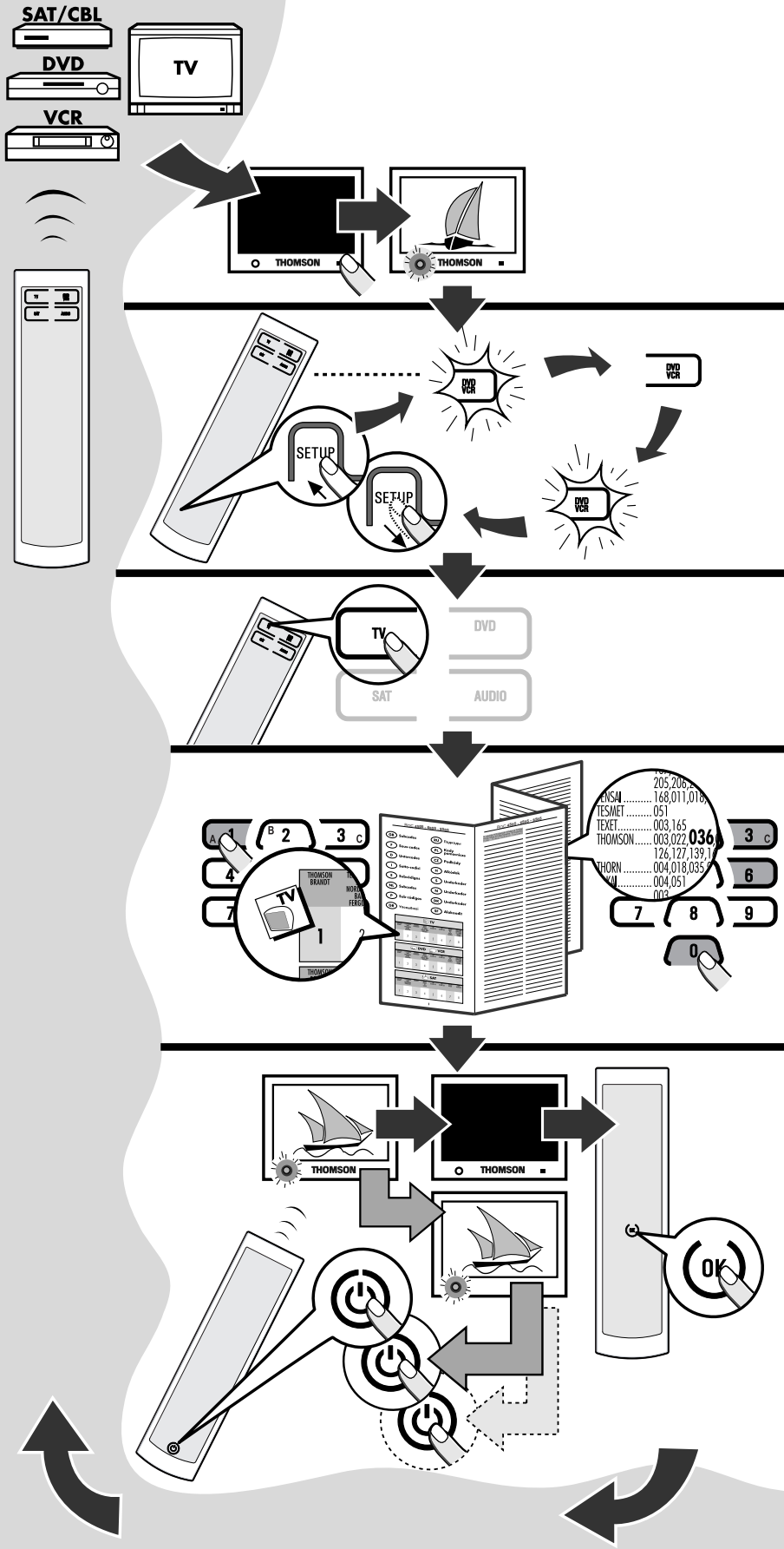
You can decide that the volume control is functional for each mode selected on condition that the volume control exists on the corresponding device (e.g. control of the television set sound in TV mode, the control of the sound of the SAT receiver in SAT mode, …).

1. Hold down the **SETUP** key until the key corresponding to the last selected mode remains lit.
2. Release the **SETUP** key.
3. Press the 🔇 key until the mode key blinks once.
4. Press once on the mode key (**TV**, **VCR**, …) corresponding to the device whose volume will always be controlled by the **VOL** and 🔇 keys.
5. Press the **VOL** ▼ key once.
6. Press the 🔇 key once.

The NAVILIGHT system

The THOMSON **NAVI**LIGHT system allows you easy access to the settings of your television (TV) or video recorder (VCR) including this feature.

1. Switch on the set you want to control.
2. Press the key corresponding to the type of set you want to use (**TV**, **VCR**, or **SAT**). In the VCR position, make sure that the AV mode is activated for the TV set (the SCART socket must be selected).
3. Press key **MENU** once.
4. Navigate through the setting menus with the play keys ▲ ▼ ◀ ▶.
5. Validate with **OK**.
6. To leave the menus, press key **EXIT** once.


SAT/CBL
DVD
VCR
TV
THOMSON
THOMSON
DVD VCR
DVD VCR
DVD VCR
SETUP
SETUP
TV
DVD
SAT
AUDIO
TV
THOMSON
THOMSON
OK

ENGLISH - *Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. If you are not using the remote control for a long period of time, remove the batteries. Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.*

FRANÇAIS - *Ne mélangez pas différents types de piles ou des piles neuves et usagées. N'utilisez pas de piles rechargeables. Afin d'éviter tout risque d'explosion, respectez les polarités indiquées au fond du compartiment à piles. Utilisez uniquement des piles du type spécifié. Ne les jetez pas au feu, ne les rechargez pas. Si vous n'utilisez pas la télécommande pendant une période prolongée, retirez les piles. Respectez l'environnement et la loi ! Avant de jeter des piles (ou des accumulateurs), informez-vous auprès de votre distributeur pour savoir si elles (ou ils) font l'objet d'un recyclage spécial, et s'il peut se charger de les récupérer.*

DEUTSCH - *Verwenden Sie nie Batterien unterschiedlicher Marken bzw. verbrauchte und neue Batterien. Keine wiederaufladbaren Batterien einsetzen. Achten Sie stets beim Einlegen der Batterien auf die Angabe der Polarisierungsrichtung. Batterien dürfen nicht in offenes Feuer geworfen werden.Wenn Sie Ihre Fernbedienung über längere Zeit nicht benutzen, nehmen Sie bitte die Batterien heraus. Batterien gehören nicht in den Hausmüll. Als Verbraucher sind Sie gesetzlich verpflichtet, gebrauchte Batterien zurückzugeben. Sie können Ihre alten Batterien bei den öffentlichen Sammelstellen in ihrer Gemeinde oder überall dort abgeben, wo Batterien der betreffenden Art verkauft werden.*

ITALIANO - *Non mescolate diversi tipi di batterie e non utilizzate batterie vecchie e nuove allo stesso tempo. Non utilizzate batterie ricaricabili. Al fine di evitare qualsiasi rischio di esplosione, rispettate le polarità indicate all'interno del vano batterie. Sostituitele solo con il tipo di batterie sopra specificato. Non gettatele nel fuoco, non ricaricatele. Se non utilizzate il telecomando per un lungo periodio, togliete le batterie. Rispettate l'ambiente e la legge! Prima di gettar via le pile (o gli accumulatori) informatevi presso il vostro distributore per sapere se sono o no oggetto di riciclaggio speciale e se può incaricarsi di recuperarli.*

ESPAÑOL - *No mezcle diferentes tipos de pilas, nuevas y antiguas. No utilice pilas recargables. Para evitar riesgos de explosión, respete las polaridades indicadas en el compartimento de las pilas. Sustituya las pilas por otras iguales a las especificadas anteriormente. No las queme y no las recarge. Si no tiene que utilizar el mando a distancia durante un periodo prolongado de tiempo, retire las pilas. ¡Respete el medio ambiente y la ley! Antes de tirar las pilas o acumuladores, pregunte a su distribuidor si éstos son objeto de algún reciclaje especial y si él puede encargarse de su recuperación.*

NEDERLANDS - *Mix geen verschillende batterijen of oude en nieuwe batterijen. Gebruik geen oplaadbare batterijen. Respecteer de polariteit zoals aangegeven in het batterij compartiment om de kans op een eventuele explosie te voorkomen. Alleen vervangen met het batterijtype zoals hierboven aangegeven. Gooi batterijen nooit in het vuur, niet herladen. Indien u de afstandsbediening langere tijd niet gebruikt, verwijder dan de batterijen. Eerbiedig de natuur en de wetgeving! Alvorens de batterijen (of de accumulators) weg te werpen, vraag aan uw dealer of deze het voorwerp uitmaken van een bijzondere recycling en of hij belast is met de ophaling ervan.*

PORTUGUÊS - *Não misture diferentes tipos de pilhas ou pilhas novas e antigas. Não utilize pilhas recarregáveis. Para evitar qualquer risco de explosão, respeite as polaridades indicadas no compartimento das pilhas. Substitua as pilhas por outras iguais às especificadas anteriormente. Não as queime nem as recarregue. Se não utilizar o telecomando durante um longo período de tempo, retire as pilhas. Respeite o ambiente e a lei! Antes de deitar fora as pilhas (ou os acumuladores) informe-se junto do seu distribuidor para saber se elas (ou eles) estão sujeita (o)s a uma reciclagem especial e se ele pode encarregar-se de as(os) recuperar.*

ΕΛΛΘΞΙΛΑ - *Μην χρησιμοποιειτε μαζι καινουργιες και παλιες μπαταριες. Μην χρησιμοποιειτε επαναφορτιζομενες μπαταριες γ ια να αποφυγετε τον κινδυνο εκπηξης. Σεβασθειτε την πολικοτητα στην τοποθετηση των μπαταριων. Επανατοποθετηστε μονο με των ιδιο τυπο μπαταριων που αναγραφονται παραπανω. Μην πετατε της μπαταριες στην φωτια. Μην της επαναφορτιζεται. Αν δεν χρησιμοποιειται το τηλεχειριστηριο για πολυ καιρο βγαλτε της μπαταριες. Προστατεύετε το περιβάλλον και τηρείτε το νόμο ! Πριν πετάξετε μπαταρίες μιας χρήσης (ή επαναφορτιζόμενες), επικοινωνείστε με το διανομέα σας και ρωτήστε τον αν οι μπαταρίες υφίστανται ειδική ανακύκλωση και αν ο ίδιος αναλαμβάνει να τις πάρει πίσω.*

РУССКИЙ - *Не устанавливайте вместе новые и старые батарейки, не используйте батарейки разлчных типов и подзаряжаемые батарейки. Во избежание взрыва соблюдайте полярность, указанную внутри отсека для батарей. Заменяйте батарейки только батарейками указанного выше типа. Не выбрасывайте их в огонь, не заряжайте их. Если вы не намерены пользоваться пультом дистанционного управления в течение длительного времени, выньте батарейки из отсека для батарей. Бережно относитесь к окружающей среде и соблюдайте законы! Перед тем, как избавиться от старых батареек (или аккумуляторов) свяжитесь с торговой организацией, чтобы узнать, не принимает ли она их для переработки и утилизации.*

POLSKI - *Nie mieszaj różnych typów baterii ani nie używaj nowych baterii razem ze starymi. Nie używaj akumulatorków. Aby uniknąć ryzyka wybuchu, wkładaj baterie zgodnie ze znakami biegunów wewnątrz kieszeni na baterie. Wymieniaj jedynie na baterie podanego wyżej typu. Nie wrzucaj baterii do ognia, ani nie ładuj ich ponownie. Jeżeli przez dłlugi okres czasu nie używasz pilota, wyjmij baterie. Szanuj środowisko naturalne i przestrzegaj prawa! Zanim wyrzucisz zużyte ogniwa (lub akumulatorki), dowiedz się u dystrybutora, czy podlegają one recyklingowi i czy może on je od Ciebie w tym celu odebrać.*

ČEŠTINA - *Nepoužívejte baterie různých typů, nemíchejte staré baterie s novými. Nepoužívejte dobíjecí baterie. Při vkládání baterií dbejte na správnou polaritu, vyznačenou uvnitř bateriového pouzdra, při nedodržení polarity hrozí nebezpečí exploze. Baterie nahrazujte pouze výše specifikovaným typem. Baterie nevhazujte do ohně a nedobíjejte je. Pokud nebudete dálkový ovládač delší dobu používat, baterie vyjměte. Chraňte životní prostředí a dodržujte zákon! Než vyhodíte článkové (nebo akumulátorové) baterie do odpadu, informujte se u prodejce přístroje, zda není organizován sběr použitých baterií a jejich speciální recyklace v souladě s právní úpravou na ochranu životního prostředí.*

MAGYAR - *Ne keverje a különböző típusú illetve a régi és az új elemket. Ne használjon újratölthető elemeket sem. A tartóban jelölt polaritás szerint helyezze be a megfelelő elemeket. A kimerült elemeket tilos tűzbe dobni és újratölteni. Ha hosszabb ideig nem használja a távirányítót vegye ki belőle az elemeket. Tartsa tiszteletben a környezetet és a törvényt! Az elemek (vagy az akkumulátorok) szemétbe történő kidobása előtt kérdezze meg eladójától, hogy azok részt vesznek-e egy speciális újrafeldolgozási programban, illetve foglalkozik-e a kimerült elemek (akkumulátorok) összegyűjtésével.*

SVENSKA - *Blanda inte olika sorters batterier eller nya med gamla batterier. Använd inte uppladdningsbara batterier. Det är viktigt att batterierna sätts i på rätt sätt och att den rekommenderade typen av batterier används. Utsätt aldrig batterierna för eld. Om fjärrkontrollen inte används under lång tid rekommenderar vi att batterierna tas ur. Tänk på miljön! Förbrukade batterier (eller uppladdningsbara batterier) läggs i de speciella uppsamlingslådor som finns uppsatta i din kommun, eller återlämnas till en återförsäljare av batterier för återvinning.*

NORSK - *Bland ikke ulike typer batterier eller nye og gamle batterier. Bruk ikke oppladbare batterier. Det er viktig at batteriene settes I på riktig måte og at den anbefalte typen batterier benyttes. Uttset aldri batteriene for ild. Om fjernkontrollen ikke benyttes over lang tid anbefaler vi at batteriene tas ut. Tenk på miljøet. Oppbrukte batterier (eller oppladbare batterier) legges I spesielle oppsamlingsspann som du blant annet finner hos de fleste forhandlere av forbrukerelektronikk.*

DANSK - *Forskellige typer af batterier bør ikke blandes så som gamle og nye batterier. Benyt ikke genopladelige batterier. For at undgå en eksplosion bør de respektere pol indikationerne som er mærket på indersiden af produktet, hvor batterierne skal sætte i. Erstat kun batterierne med de ovennævnte typer. Batterier må ikke kastes ind i ild, og må ikke genoplades. Hvis De over en længere periode ikke benytter fjernbetjeningen, skal batterierne tages ud. Respekter miljøet og lovgivningen! Inden De smider batterier (eller akkumulatorer) ud, bør De henvende Dem til Deres forhandler for at få at vide, om disse indgår i en speciel genbrugsordning, og om de således kan afleveres hos forhandleren.*

SUOMI - *Älä käytä sekaisin erilaisia paristoja, esim. uusia ja vanhoja. Räjähdysvaaran välttämiseksi laita paristot oikein päin paristokoteloon. Ohjeet löydät paristokotelon pohjasta. Käytä vain yllä mainitun tyyppisiä paristoja. Älä heitä vanhoja paristoja tuleen äläkä lataa niitä uudelleen. Mikäli et käytä kaukosäädintä pitkään aikaan, poista paristot kaukosäätimestä. Noudata lakia ja kunnioita luontoa! Ennen kuin heität kuluneet paristot (tai akut) jätteisiin, niin kysy jälleenmyyjältä kuuluvatko ne mahdollisesti erikoiskierrätykseen ja*

ROC4505

Model and serial number

THOMSON Multimedia Sales Europe
46, quai A. Le Gallo
92648 Boulogne Cedex
FRANCE
322 019 464 RCS NANTERRE
http://www.thomson-europe.com

35916940 © Copyright THOMSON 2005

Dealer's address

ROC **4505 - 6505 - 8505**

EN	**Subcodes**	**RU**	**Подкоды**
FR	**Sous-codes**	**PL**	**Kody pomocnicze**
DE	**Untercodes**	**CS**	**Podkódy**
IT	**Sotto-codici**	**HU**	**Alkódok**
ES	**Subcódigos**	**SV**	**Unterkoder**
NL	**Subcodes**	**NO**	**Unterkoder**
PT	**Sub-códigos**	**DA**	**Unterkoder**
EL	**Υποκωδικοι**	**FI**	**Alakoodit**

TV

THOMSON BRANDT	TELEFUNKEN SABA NORDMENDE BAIRD FERGUSON	GRUNDIG BLAUPUNKT	NOKIA FINLUX ITT, LUXOR DANTAX, BEKO PROSONIC	FOR FUTUR USE	FOR FUTUR USE	PHILIPS ERRES PYE PHILCO RADIOLA	SONY, AKAI PANASONIC JVC, SHARP TOSHIBA DAEWO
1	2	3	4	5	6	7	8

DVD **VCR**

THOMSON BRANDT	TELEFUNKEN SABA NORDMENDE BAIRD FERGUSON	GRUNDIG BLAUPUNKT	NOKIA FINLUX ITT, LUXOR DANTAX, BEKO PROSONIC	FOR FUTUR USE	FOR FUTUR USE	PHILIPS PYE PHILCO RADIOLA	SONY, AKAI PANASONIC JVC, SHARP TOSHIBA DAEWO
1	2	3	4	5	6	7	8

SAT

THOMSON BRANDT	TELEFUNKEN SABA NORDMENDE BAIRD FERGUSON	GRUNDIG	NOKIA FINLUX ITT LUXOR	FOR FUTUR USE	FOR FUTUR USE	PHILIPS PHILCO	PACE ECHOSTAR
1	2	3	4	5	6	7	8

TV codes

ACME 001
ADA 007
ADC 004,005
ADMIRAL 019,108,002,001,047,000
ADYSON 003
AGAZI 002
AGB 123
AIKO 003,009,004
AIWA 184,248,291
AKAI 011,086,009,068,004,006,008,051,061,088,169,200, 133,141,069
AKIBA 011
AKURA 169,074,002,009,011,071
ALBA 028,027,009,011,003,068,083,169,047,245,248,162,062
ALBIRAL 037
ALKOS 164
ALLORGAN 157,026
ALLSTAR 051
AMPLIVISION 003
AMSTRAD 011,009,068,074,002,108,071,069,030,123,013
ANAM 009,065,109
ANGLO 009
ANITECH 009,002,043,109
ANSONIC 009,014
ARCAM DELTA 003
ARC EN CIEL 126,045,139
ARISTONA 169,051
ARTHUR MARTIN 158
ASA 017,110,016,018,000,021
ASBERG 051,043
ASTRA 009
ASUKA 011,002,003
ATLANTIC 169,003,051,157
ATORI 009
AUDIOSONIC 009,003,169,011,051,139,157
AUDIOTON 003
AUSIND 043
AUTOVOX 003,002,101,157,000,125,043
BAIRD 111,139,245
BANG & OLUFSON 199,000
BARCO 112
BASIC LINE 009,011,051,245
BASTIDE 003
BAUR 169,118,076,141,132
BEKO 042,083,034,007
BEON 169,051
BEST 113
BESTAR 051,245
BINATONE 003
BLACK DIAMOND 171
BLACK PANTHER LINE 245
BLACK STAR 129
BLAUPUNKT 117,202,135,008,022,100
BLUE SKY 011
BLUE STAR 120
BONDSTEC 129
BOOTS 003
BPL 120
BRANDT 127,045,022,036,126,139,046
BRION VEGA 051,169,000
BRITANNIA 003
BROKSONIC 920
BRUNS 000,007
BSR 131,026
BTC 011
BUSH 028,027,032,009,011,019,205,039,051,068,169,107,115, 131,139,167,245,248,024,132,120,062
CAPSONIC 002
CARREFOUR 027
CASCADE 009
CATHAY 051,169
CENTRUM 168,205
CENTURION 051,169
CENTURY 000
CGE 129,047,131,043
CIMLINE 009,028
CITY 009
CLARIVOX 169,037
CLATRONIC 009,011,051,002,083,003,129,030,043
COMBITECH 248
CONCORDE 009
CONDOR 198,051,083,003,245
CONTEC 003,009,027,030,029
CONTINENTAL EDISON 022,111,036,045,126,139,046
COSMEL 009
CROSLEY 129,131,000,043
CROWN 009,169,083,047,051,245,121,043
CS ELECTRONICS 011,129,003
CTC 129
CTC CLATRONIC 014
CYBERCOM 177,038,171,002,009,206,205,207,208,210,169,042,044, 127,047,061,063,067,068,103,107,115,154,168,185,228, 209,343,924,933,248,291
CYBERMAXX 177,038,171,002,009,206,200,205,207,208,210,211,16 015,042,044,047,048,049,061,063,067,068,087,103,107, 115,127,154,155,168,170,185,228,229,209,894,343, 924,933,248,291
CYTRON 177,038,171,002,009,206,200,205,207,208,210211,169, 015,042,044,047,048,049,061,063,067,068,087,103,107, 115,127,154,155,168,170,185,228,229,209,894,343,92 4,933,248,291
CYBERTRON 011
DAEWOO 094,009,191,003,051,115,245
DAINICHI 011
DANSAI 002,169,051
DANTAX 171,161,169,088,034,113
DATSURA 121
DAYTON 009
DAYTRON 245
DE GRAAF 019,006,033
DECCA 003,169,004,051,123,030
DESMET 051,169
DIGITOR 227,228
DIXI 009,169,051
DTS 009
DUAL 177,038,171,002,009,206,207,208,169,042,044,127,047, 061,063,067,068,003,103,107,115,126,131,139,154,160, 168,228,343,924,933,248,291,125,089
DUAL-TEC 009,131,003
DUMONT 003,014,017,018,000
DUX 169
DYNATRON 051,169
ELBE 108,157,037
ELCIT 000
ELECTRO TECH 009
ELECTA 120
ELIN 051,003,169,016,018
ELITE 011,051
ELMAN 014,131
ELTA 009
EMERSON 141,127,000
ERRES 169,051
ESC 245
ETRON 009
EURO-FEEL 002
EUROLINE 149,169,088
EUROMANN 002,051,003
EUROPHON 003,014,051,131,123
EXPERT 157
FENNER 009,115
FERGUSON 127,166,035,169,036,050,052,111,163,037
FIDELITY 003,019,068,074,096
FINLANDIA 019,006,110,128
FINLUX 061,087,063,003,004,016,167,110,131,157,169,051,017, 018,014,000,123,043
FIRSTLINE 003,129,009,051,062,026
FISHER 006,003,018,083,131,000,027,029,040
FLINT 051,113
FORMENTI 001,169,003,131,133,000,043,125
FORTRESS 001,000
FRONTECH 019,002,009,068,118,129,120,021
FUJITSU 116,004,157
FUNAI 002,026
GALAXY 047,083
GBC 009,027,131
GEC 169,003,004,041,051,141,123,132
GELOSO 019,009,131
GENERAL TECHNIC 009,248
GENEXXA 011,051,021
GOLDSTAR 084,129,003,009,019,051,131,169,171,261,012,093
GOODMANS 009,111,002,004,027,169,028,051,068,115,127,171,245, 283,093
GORENJE 083

GPM 011
GRAETZ 141,142,021
GRANADA 127,019,003,006,169,027,031,051,054,004,064,133,138,128,040,043,123
GRANDIN 009,169,011,245,120
GRUNDIG 117,091,114,101,135,008,017,136,043
H & B 343,228
HAAZ 228
HALIFAX 002,003
HAMPTON 003
HANSEATIC 009,003,027,169,051,083,118,131,141,007,026
HANTAREX 009,123
HARWOOD 171
HCM 002,003,009,074,120
HIFIVOX 139
HINARI 171,009,011,027,051,006,169,248,043,137
HISAWA 011,113,120
HITACHI 027,019,085,134,153,213,140,144,003,118,004,016,023,041,045,047,131,133,138,139,141,021,046,033,123,142
HOSHAI 011
HORNYPHON 051
HUANYU 003,115
HYGASHI 003
HYPER 003,009,129,131
HYPSON 002,003,051,169,120
ICE 009,002,003,011,051,068
IMPERIAL 047,051,083,129,131,021,043
INDESIT 024,101
INDIANA 051,169
INGELEN 021
INGERSOL 009
INNO HIT 009,011,003,004,051,169,245,093,123
INNOVATION 171,111,002,009,169,061,067,068,103,107,115,154,168,177,248,291
INTERBUY 009,129,109
INTERFUNK 051,129,169,139,141,000,021
INTERTRONIC 894
INTERVISION 002,003,014,109
IRRADIO 009,011,051,169,068
ISUKAI 011
ITC 003,131
ITS 011,051,068,120
ITT 061,009,143,031,133,141,021,142,132
ITT/NOKIA 133,142,021
ITV 169,171,009,088,245
JEC 164
JVC 051,053,027,068
KAISUI 009,011,003,120
KAMOSONIC 003
KAMP 003
KAPSCH 157,021
KARCHER 169,003,009,016,037
KENDO 019,014,028,108,245
KENNEDY 131,157
KINGSLEY 003
KNEISSEL 174
KOLSTER 051
KONKA 047,068,229,011
KORPEL 051,169
KORTING 000
KOYODA 009
KTV 003
KURO 121
KYOTO 037
LENCO 009,245
LENOIR 003,009
LESA 129
LEYCO 169,002,004,051,026
LG 084,119,129,149,019,003,051,088,131,169,171,009,261,093
LIESENK 169
LIFE 002,009,061,067,068,103,107,111,115,154,168,169,171,177,291
LIFETEC 177,038,171,002,009,206,205,207,208,210,211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
LOEWE 097,098
LOEWE OPTA 051,169,000
LOGIK 030
LUMA 019,169,141,157
LUMATRON 002,171,019,088,051,074,169,107,141,157,245
LUX MAY 051
LUXOR 141,019,047,003,077,138,093,132
M-ELECTRONIC 009,016,169,018,003,036,051,068,110,115,139,021,109
M+P 133
MAGNADYNE 014,129,131,169,000,123
MAGNAFON 003,014,043,123
MAGNUM 002,111,009,169,171,061,067,068,103,107,115,154,168,177,200,291
MANDOR 002
MANESTH 002,169,003,028,051
MARANTZ 051,169
MARELLI 000
MARK 051,169
MATSUI 173,099,091,027,180,028,147,003,004,009,019,051,068,101,164,169,248,113,123,013,062,026,030
MATSUSHITA 065
MCMICHAEL 041
MEDIATOR 051,169
MEDION 177,038,171,002,009,206,200,205,207,208,210,211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
MEMOREX 009,920
MEMPHIS 004,009
METZ 201,135,151,152,000,075
MICROMAXX 177,038,171,002,009,206,200,205,207,208,210,211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
MICROSTAR 177,038,171,002,009,206,200,205,207,208,210,211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
MINERVA 017,101,135
MINOKA 051
MITSUBISHI 000,027,030,051,054,057,060,098,101,135,205
MIVAR 055,083,003,093,123,043
MOTION 043
MTC 132
MULTI SYSTEM 169
MULTITECH 003,009,014,019,169,027,045,129,131,043
MURPHY 003,133,018
NAD 141
NAIKO 099
NAONIS 019,108
NATIONAL 064,101
NEC 185,027,056
NECKERMANN 003,169,008,019,022,051,083,118,132,000
NEI 051,068,169,113
NESCO 129
NEWTECH 009,051
NEW WORLD 011
NICAMAGIC 003
NIKKAI 002,003,164,004,011,051,169
NOBLIKO 003,014,043
NOGAMATIC 139
NOKIA 061,143,063,141,077,133,031,021,132,142
NORDMENDE 111,127,036,045,051,126,139,046,000,021,024
NORDVISION 169
OCEANIC 141,142,021
OKANO 083
ONCEAS 003
ONWA 069
ORBIT 051
ORION 099,147,159,009,212,028,051,154,169,171,920,248,283,123,142,030,013,062,075,026
ORMOND 205
OSAKI 011,002,003,004,074
OSO 011
OSUME 004,029
OTTO VERSAND 003,169,008,001,027,051,076,111,118,131,139,141,120,121,132
PACKARD BELL 204
PAEL 003
PALLADIUM 003,083,012
PANAMA 002,003,009
PANASONIC 065,067,064,197,186,101,141,021,151,142,124,152
PATHE CINEMA 003,083,131,037
PATHE MARCONI 022,045,126,139,037,046
PAUSA 009
PERDIO 004
PHILCO 047,129,131,000,043
PHILHARMONIC 003
PHILIPS 200,088,217,202,020,169,003,041,181,339,051,083,111,

115,131,141,154,000,043,089
PHOENIX....051,169,000
PHONOLA....051,169,000
PIONEER....010,145,036,051,139,169,021
PLANTRON....002,051
POPPY....009
PORTLAND....245
PRANDONI-PRINCE....019,141,123
PRECISION....003
PRIMA....009,021
PRINZ....047
PRO2....177,038,171,002,009,206,200,205,207,208,210,211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
PROFEX....009,141,043
PROFILO....171
PROFI-TRONIC....051
PROLINE....004,051,062
PROSONIC....161,169,003,015,042,088,107,200,068,245
PROTECH....002,003,009,169,014,051,129,131,132,113
PROVISION....169,171
PYE....169,051,068
PYMI....009
QUASAR....129
QUELLE....169,205,002,003,016,022,051,129,131,135,141,017,018,026,030
QUESTA....027
RADIOLA....051,169
RADIOTONE....051,007
RADIOMARELLI....129,000,123
RADIONETTE....016,018
RANK....017,027
RBM....017
RCA....031
REDIFFUSION....141
REVOX....051,169
REX....019,002,108,157,021
RFT....000,007
R-LINE....051,169
ROADSTAR....002,009,011,245
ROBOTRON....000
RTF....000
SABA....127,111,126,036,045,139,141,245,142,046,000,123,021
SACCS....037
SAISHO....028,002,003,009,248,030,123,013
SALORA....019,031,047,061,107,108,118,131,138,141,093,121,128,132,021
SAMBERS....014,169,043,123
SAMSUNG....090,104,009,051,172,083,002,160,003,004,312,030,105,093
SANDRA....003,009
SANSUI....051,920
SANYO....004,006,031,003,027,016,018,083,127,160,131,029,030,040,043
SAVILLE....248
SBR....041,169
SCHAUB LORENZ....141,021,142
SCHNEIDER....177,003,169,011,051,068,131,139,160,245,264,071,125
SEG....171,002,205,003,169,009,014,027,088,129,131,043
SEI-SINUDYNE....014,013,021,026,075,123,000
SELECO....019,027,131,108,157,021
SENCORA....009
SENTRA....164
SHARP....001,059,005,027,187,188,029
SHORAI....026
SIAREM....014,131,000,123
SICATEL....037
SIEMENS....008,022,200,135,029
SIERRA....051
SIESTA....160
SILVER....027
SINGER....014,131,129,228,000
SINUDYNE....014,131,169,028,000,075,013,026
SKANTIC....138,021
SKYMASTER....016
SKYWORTH....228
SOLAVOX....092,021
SONITRON....006,031
SONOKO....009,002,169,003,051,245
SONOLOR....006,021
SONTEC....051,169,160
SONY....165,130,183,106,076,027,127,009,004,182,029,030
SOUND & VISION....011,014
SOUNDWAVE....051,169
STANDARD....003,009,011,051,245
STARLIGHT....169
STENWAY....120
STERN....019,157,021
SUNKAI....009,026,062
SUNWOOD....009,051
SUPERLA....003
SUPERTECH....118
SUPRA....009
SUSUMU....011
SUTRON....009
SYDNEY....003
SYSLINE....169
TANDBERG....157,026
TANDY....001,003,004,011,133,021
TASHIKO....003,019,027,041,056,128
TATUNG....051,003,004,169,123
TCM....177,038,171,002,009,206,205,207,208,210,169,042,044,047,061,063,067,068,103,107,115,127,154,168,185,228,209,343,924,933,248,291
TEC....003,009,129,131,133
TECHNICS....065
TECHNISAT....154
TELEAVIA....022,036,045,111,126,139
TELEFUNKEN....166,111,127,190,022,035,163,101,102,036,050,051,052,078,108,126,139,079
TELETECH....169,009,088,129,113
TELETON....003,157,118,132
TEVION....177,038,171,002,009,206,200,205,207,208,210211,169,015,042,044,047,048,049,061,063,067,068,087,103,107,115,127,154,155,168,170,185,228,229,209,894,343,924,933,248,291
TENSAI....011,168,018,051,026
TESMET....051
TEXET....003
THOMSON....166,127,111,003,022,036,045,176,101,102,050,051,052,126,139,163,185,245,046
THORN....004,018,169,035,054,111,127,141,164,037
TOKAI....004,051
TOKYO....003
TOMASHI....120
TOSHIBA....117,164,189,027,146,017,920,082
TOWADA....131,021
TRIUMPH....013,123,082
UHER....051,157,021,043
ULTRAVOX....003,014,129,131,133,000
UNITED....088,169
UNITED QUICK STAR....245
UNIVERSUM....102,002,016,018,051,061,169,083,110,122,129,131,143
UNIVOX....037
VESTEL....019,051,169,171,083,092,103,107,118,129,131,138,168,195,205,021
VEXA....169,009
VICTOR....027,051,065
VIDEOLOGIQUE....011,003
VIDEON....248
VIDEOSAT....129
VIDEO SYSTEM....051
VISIOLA....003
VISION....051
VISOREX....096
VISTAR....133
VORTEC....051,169
VOXSON....019,051,108,021,043,000
WALTHAM....003,133,138,037
WATSON....051,169
WATT RADIO....003,014,131,037
WEGA....000,027
WELTBLICK....051,169
WESTON....131
WHARFEDALE....099
WHITE WESTINGHOUSE 169,003,014,043
YOKO....009,011,051,169,002,003
YORX....011
ZANUSSI....019,157,108

VCR codes

AIWA 230,233,256,293,231,248,291
AKAI 300,329,307,237,236,238,239,293
AKIBA 275
AKURA 275,244,293
ALBA 275,233,250,245,248,246,247
ALLORGAN 311
AMBASSADOR 250
AMSTRAD 253,231,254
ANITECH 275
APEX 949
ASA 257,256
ASUKA 275,257,231,256
BAIRD 259,231,258,245,237,293
BASIC LINE 275,233,250,245
BAUR 263,257
BESTAR 250,245
BLACK PANTHER LINE 245
BLAUPUNKT 263,257,262,260,309,325,271
BONDSTEC 250
BRANDT 303,305
BROKSONIC 277,967
BUSH 275,233,245,248,246,247,288
CATRON 250
CGE 231,293
CIMLINE 275,233
CLATRONIC 250
COMBITECH 248
CONDOR 250,245
CROWN 275,250,245
CYBERCOM 233,311,262,269,319,248,291,338,905,906
CYBERMAXX 233,311,262,269,319,256,248,291,338,905,906
CYTRON 233,311,262,269,319,256,248,291,338,905,906
DAEWOO 274,250,265,319,245,971
DANSAI 275
DANTAX 233
DAYTRON 245
DE GRAAF 266,257
DECCA 257,231,293
DUAL 233,257,311,262,319,293,248,291,338,905,906
DUMONT 266,257,231,258
ELTA 275
EMERSON 301,339
ESC 245
ETZUKO 275
FERGUSON 294,259,271,278,293,281,305
FIDELITY 311,231
FINLANDIA 266,257,258
FINLUX 266,298,257,231,258,293,237
FIRSTLINE 266,275,233,265,298,256
FISHER 258,279
FLINT 233
FORMENTI-PHEONIX 257
FRONTECH 250
FUJITSU 231
FUNAI 231,339
GALAXY 231
GBC 275,250
GEC 257
GELOSO 275
GENERAL 250
GENERAL TECHNIC 262,233,311,248
GOLDHAND 275
GOLDSTAR 231,256
GOODMANS 275,250,259,256,231,245,283,282
GO-VIDEO 338,367
GRAETZ 258,293
GRANADA 257,266,240,258,271
GRANDIN 275,250,256,231,245
GRUNDIG 273,270,263,235,243,257,260,272,275,286,287,290,315, 271,288
HAAZ 233
HANSEATIC 257,256
HCM 275,288
HINARI 275,233,248,288,301
HISAWA 233
HITACHI 266,257,268,231,293,387
HYPSON 233,275
IMPEGO 250
IMPERIAL 231
INNOVATION 233,311,262,248,291
INNO HIT 250,257,275,245
INTERBUY 256
INTERFUNK 257,258
INTERVISION 231
IRRADIO 275,256
ITT 237,293,258,292
ITV 256,245
JVC 294,295,293,400
KAISUI 275
KARCHER 257
KENDO 233,250,265,300,245,236,237
KENWOOD 293
KORPEL 275
LENCO 245
LEYCO 275
LIFE 291
LIFETEC 233,311,262,269,319,256,248,291,338,905,906
LG 231,256,261,907
LOEWE 267,325,262
LOEWE OPTA 257,256,271
LOGIK 275
LUMATRON 274,245
LUXOR 298,258,237,281
MAGNASONIC 258
MAGNAVOX 914
MAGNUM 291
MANESTH 275,265
MARANTZ 257,271,281,299
MATSUI 233,256,248,301
M ELECTRONIC 231
MEDIATOR 257
MEDION 233,311,262,269,319,256,248,291,338,905,906
MEMOREX 240,256,231,258,279
MEMPHIS 275
METZ 262,263,267,273,325,271
MICROMAXX 233,311,262,269,319,256,248,291,338,905,906
MICROSTAR 233,311,262,269,319,256,248,291,338,905,906
MIGROS 231
MINERVA 263,271
MITSUBISHI 298,257,289,294,231
MULTITECH 275,250,257,231
MURPHY 231
NATIONAL 262,260
NEC 294,293,299
NECKERMANN 257,293,301
NEI 257
NESCO 275
NIKKAI 250,302
NOKIA 240,300,307,258,237,292,293
NORDMENDE 294,293,303,305
OCEANIC 240,231,293
OKANO 233,300
ORION 234,233,304,248,283,301,246
ORSON 231
OSAKI 275,231,256
OTTO VERSAND 257
PALLADIUM 275,300,256,271,293
PANASONIC 262,267,260,314,321,325,970
PATHE CINEMA 301
PATHE MARCONI 293
PENTAX 266
PERDIO 231
PHILCO 299
PHILIPS 235,257,290,315,327,286,285,242,271,293,969
PHONOLA 257
PIONEER 294,257
POLAROID 949
PORTLAND 250,245
PRINZ 231
PRO2 233,311,262,269,319,256,248,291,338,905,906
PROFEX 275
PROLINE 231,288
PROSONIC 233,245
PYE 257
QUARTZ 258
QUELLE 257,263,258,231,271,301
RADIOLA 257
REX 293
RFT 250,257
ROADSTAR 275,256,245
SABA 324,245,281,293,303,305
SAISHO 275,233,248,301
SALORA 298,258,237,292

SAMSUNG....311,312,338,963
SAMURAI....250
SANSUI....294,244,293,920
SANYO....284,258,279
SAVILLE....248
SBR....257
SCHAUB LORENZ....258,237,231,293
SCHNEIDER....275,233,265,250,257,256,231,264,245
SEG....275
SEI-SINUDYNE....257
SELECO....293
SENTRA....250
SENTRON....275
SHARP....240,241,328,281
SHINTOM....275,258
SHIVAKI....256
SIEMENS....263,256,258,271
SILVA....256
SINUDYNE....257
SOLAVOX....250
SONOKO....245
SONOLOR....240
SONTEC....256
SONY....232,308,309,310,313,249,251,255,402
STANDARD....245
STRONG....244
SUNKAI....233
SUNSTAR....231
SUNTRONIC....231
SUNWOOD....275
SYLVANIA....339
TAISHO....233
TANDBERG....263
TASHIKO....240,231
TATUNG....257,231,293
TCM....233,311,262,269,319,248,291,338,905,906
TEC....250
TECHNICS....262,260
TELEAVIA....293
TELEFUNKEN....306,294,324,295,323,280,293,303,305
TENOSAL....275
TENSAI....275,231,256
TEVION....233,311,262,269,319,256,248,291,338,905,906
THOMSON....294,324,295,323,326,245,242,293,305
THORN....258,293,301
TiVo HDD....242
TOKAI....275,256
TONSAI....275
TOSHIBA....320,257,265,298,319,293
TOWADA....275
TOWIKA....275
TRIUMPH....301
TVA....250
UHER....256
UNITED QUICK STAR...245
UNIVERSUM....290,235,263,257,315,256,231,237,239,253,271
VICTOR....294,295
VIDEON....233,262,311,248
WELTBLICK....256
YAMISHI....275
YOKAN....275
YOKO....275,250,256

SATELLITES

SAT

AKAI....552
ALBA....508,562,405,407
ALDES....408,409
ALLSAT....462,410,552
ALLSONIC....408,428
AMPERE....422
AMSTRAD....584,555,541,415,416,417,419,421
ANKARO....408,428,424
ANTTRON....405,407
APOLLO....405
ARCON....415,422,424,426,463
ARMSTRONG....419
ASAT....552
AST....435
ASTON....594,406
ASTRA....429,419,431,432,502
ASTRO....428,439,569,407,409,441
AUDIOTON....462,407
AURORA....602
AUSTAR....602,643,642
AXIS....428,415,432,456
BARCOM....424
BEST....428,424
BLAUPUNKT....439
BOCA....419,502
BRANDT....565,566,567,574
BRAIN WAVE....444
BSKYB....584,555
BT SATELLITE....574
BUSH....508,562,410
CANAL+....569,599
CANAL SATELLITE....569,599
CHAPARRAL....507
CHESS....547,586
CITYCOM....508,640,459
CLATRONIC....444
CLEMENS KAMPHUS....491
CNT....409
COLUMBUS....477
COMMLINK....408
COMTECH....456
CONDOR....428,640
CONNEXIONS....438,454
CONRAD....640
CONTEC....456,459
COSAT....462
CROWN....419
CYBERCOM....412,413,423,428,442,493,504,511,514,546,566,583,586,587,618,619
CYBERMAXX....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
CYTRON....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
DAERYUNG....438
DANSAT....410
D-BOX....564,604
DECCA....460
DEW....456
DIAMOND....461
DIGIALITY....640
DISKXPRESS....424,454
DITRISTRAD....462
DNT....438,552
DONG WOO....501
DRAKE....557,463
DUAL....412,413,423,428,493,504,511,566,583,586,587,618
DStv....602
ECHOSTAR....640,581,586,425,481,578,579,580,464,465,467
EINHELL....408,417,405,419
ELEKTA....409
ELTA....428,462,405,552
EMANON....405
EMME ESSE....428,508,491
EP SAT....508,491
EUROPHON....640
EUROSAT....419
EUROSKY....428,640,419
EUROSPACE....468
EUROSTAR....438,419
EXATOR....405,407
FERGUSON....508,472,603,410,471,473
FIDELITY....415,417
FINLANDIA....508
FINLUX....508,429,608,475,480,487
FINNSAT....603,456
FORCE....577,553,535
FORTEC STAR....470
FOXTEL....602,643,584
FRACARRO....562
FRANCE SATELLITE/TV....477
FREECOM....405,489
FTE....422,496
FUBA....548,439,428,438,405,424,431,477,480,552
GALAXIS....428,408,462,478,484,535,582,583,602,619,432,456
GALAXY....424
GMI....419
GOLDSTAR....489

GOODING....483
GOODMANS....508
GRANADA....429
GROTHUSEN....405,489
GRUNDIG....439,436,483,495,508,544,469,602,584,407,550
HANSEATIC....504
HANTOR....444,405,501
HANURI....409
HELIOCOM....422
HIRSCHMANN....439,522,547,548,487,488,491,558
HISAWA....444
HITACHI....508,537
HOUSTON....462
HUTH....408,411,444,462,419,491
HUMAX....485,517,582
HYUNDAI....486
IMPERIAL....562
INNOVATION....428,493,504,511,583,586,587,618
INTERTRONIC....419
INTERVISION....462
IRDETO....602
ITT/NOKIA....429,508,548,454,487,537
JOHANSSON....444
JSR....462
JVC....483
KATHREIN....549,617,631,607,635,439,441,459,496,498,499,507,552
KOSMOS....489,491,496
KR....407
KREISELMEYER....439
KYOSTAR....405
LASAT....428,565,566,567,409,500,501,502
LENCO....405,489,503
LENG....444
LENNOX....462
LENSON....479
LIFE....583
LIFESAT....412,413,423,428,442,493,504,511,514,546,566,583,586,587,618,619
LIFETEC....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
LION....468
LG....489
LORRAINE....489
LUPUS....428
LUXOR....417,429,548,537
MACAB....603
MANHATTAN....462,508,557,633,409
MARANTZ....552
MASCOM....409
MASPRO....483,508,507,558,471
MATSUI....483,574
MB....504
MEDIABOX....569
MEDIAMARKT....419
MEDIASAT....569,432
MEDION....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
MEGA....552
METRONIC....408,575,612,613,614,615,632,409,424,405,407
METZ....439
MICROMAXX....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
MICROSTAR....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
MICRO TECHNOLOGY..468
MINERVA....483,439
MITSUBISHI....508,439,574
MITSUMI....502
MORETV....644
MORGANS....611,419,502,552
MORGAN SYDNEY....611
MULTICHOICE....602
MULTISTAR....496,501
MULTITEC....586,587
MURATTO....437,489
NAVEX....444
NEC....509,510
NEUHAUS....462,479,432
NEXTWAVE....414,585
NIKKO....419
NOKIA....530,564,425,429,508,548,563,531,454,487
NOMEX....622
NORDMENDE....549,472,508,603,405,409
NOVIS....444
OAK....424
OCEANIC....461,468
OCTAGON....405,407,456
OKANO....419,491,496
OPTEX....462,459
OPTUS....602
ORBIT....435
ORBITECH....405
ORIGO....468
OSAT....407
OTTO VERSAND....439
PACE....584,555,439,559,527,508,410,471
PACIFIC....461
PALCOM....479,431,477
PALLADIUM....483,419
PALTEC....431
PANASONIC....584,508,542
PANDA....508,410
PANSAT....490
PHILIPS....552,436,483,493,495,508,543,434,569,574,605,618,455,561,550,456,515
PHOENIX....456
PHONOTREND....408,462,491
PIONEER....569
POLSAT....603
POLYTRON....459
PREDKI....444
PREMIERE....564,462,569
PREMIER....569
PRIESNER....445,419
PRO2....412,413,423,428,442,466,478,484,493,504,511,514,535,546,566,583,586,587,618,619,644,650,652,653
PROFI....503
PROMAX....508
PROSAT....408,562
PROTEK....461
PROVISION....409
QUADRAL....408,428
QUELLE....439,417
QUIERO....603
RADIOLA....552
RADIX....630,438,632
RAINBOW....407
REDIFFUSION....510
REDPOINT....432
REDSTAR....428
RFT....408,552
RUEFACH....503
SABA....472,508,543,556,562,565,571,572,573,574,575,409,468,471
SABRE....508
SAGEM....570,604,599,603
SAKURA....456
SALORA....429,527,509,520
SAMSUNG....405,426
SAT....415,435,437
SATCOM....640,504,523
SATEC....508
SATPARTNER....444,405,407,409,489,491
SCHNEIDER....428,455,511,583,586,587,618
SCHWAIGER....411,412,413,427,430,433,440,504,508,516,566,573,575,576,577,582,583,585,587,598,616,630,631,633,635,459,498
SEEMANN....438,419,432
SEG....428,444,504,541,631,634,405
SELECO....462
SIEMENS....439
SILVA....489
SKARDIN....432
SKY....584
SKY+....555
SKY DIGITAL....584,555
SKYMASTER....408,504,546,547,586,587,588,589,590,591,592,621
SKYMAX....552
SKYVISION....462
SM ELECTRONIC....408,504,546,547,586,588,591,621
SONY....584,569,418
SR....472,419,502
STARLAND....586
STARRING....444
STAR TRAK....405
STRONG....562,428,602,545,454,489,405,407

SUMIDA....419
SUNSTAR....527,419,502
TANDBERG....603
TANDY....407
TANTEC....508,479,471,477
TATUNG....460
TCM....412,413,423,428,442,493,504,511,514,546,566,583,586, 587,618,619
TECO....419,502
TECHNIHALL....416
TECHNISAT....438,479,569,623,528,529
TELASAT....640
TELEFUNKEN....560,508,565,566,567,574,405
TELEKA....438,640,407,419,426
TELEMASTER....409
TELEMAX....500
TELESAT....504
TELESTAR....479,569
TELEVES....508,610,611
TELEWIRE....462
TEVION....412,413,423,428,442,466,478,484,493,504,511,514,535, 546,566,583,586,587,618,619,644,650,652,653
THOMSON....472,601,570,574,492,508,560,568,569,603
THORENS....461
THORN....508,410,471,473
TIOKO....459
TONNA....508,462
TOPFIELD....497,505,506
TPS....570
TRIAD....435,437,533,489
TRIASAT....480
TRIAX....439,479,565,609,619
TWINNER....610,611
UNIDEN....534
UNISAT....419,456
UNITOR....444,424
UNIVERSUM....439,483,475,487
VARIOSTAT....439
VECTOR....468
VENTANA....552
VIA DIGITAL....568
VIA SAT....568
VISIOSAT....594,444,462,586,593,595,596,597
VIVANCO....536,624
VORTEC....405,426
V-TECH....437,435,515,537
WEWA....508
WEVASAT....508
WINERSAT....444
WISI....435,437,438,439,508,533,538,539,540,597,625,626,627, 628,629
WITTENBERG....415
WOORISAT....409
ZEHNDER....428,437,635,541,631,632,409,424,496,498
ZODIAC....407

CBL

AUSTAR....494
BMB....636
BT....554
CABLECRYPT....474
CABLETIME....448,449,450
CABLE AND WIRELESS 606
CANAL PLUS....474
COMCRYPT....474
CLYDE CABLEVISION....452
CRYPTOVISION....458
EURODEC....603
FILMNET....474
FILMNET CABLECRYPT....474
FILMNET COMCRYPT....474
FOXTEL....602
GEC....452
GI....494,554
IMPULSE....554
JERROLD....554,494
KABELVISION....554
LYONNAISE....603
MARMITEK....636
MELITA....554
MNET....602,474
MOTOROLA....494
MOVIE TIME....551
MULTICHOICE....474,602
NTL....606
OPTUS....494
PACE....606
PHILIPS....487
PIONEER....518,521
PVP....554
SCIENTIFIC ATLANTA....524,525
STS....551
TELE+1....474
TELEPIU....474
TELEWEST....606,554
UNITED....554
VISIOSAT....487

DVBT/TNT/DTT/TDT

ALBA....451,646
BUSH....451,032
CYBERMAXX....645,650
CYTRON....645,650
DIGENIUS....645
DIGIFUSION....647
FREEVIEW....447,451,453,457,482,512,513,519,526,532,600,646,647, 648,649,651
GERICOM....443
GOODMANS....451,526
GRUNDIG....512
HAUPPAUGE....482
HITACHI....526
HUMAX....651
JVC....526
LABGEAR....513
LIDCOM....451
LIFETEC....645,650
MATSUI....649,526,451
MEDION....645,650
MICROMAXX....645,650
MICROSTAR....645,650
NOKIA....519,531
ON-DIGITAL....527,531,620
PACE....453,527
PHILIPS....600
PIONEER....457,620
PRO2....645,650
REBOX....476
SAGEM....648
SCHWAIGER....630
SHARP....059
SONY....447
TEVION....645,650
THOMSON....532
TOP-UP TV....527,531

DVBT : Digital Video Broadcast Terrestrial (GB)
TNT : Télévision Numérique par Satellite (F)
DTT : Televisione Digitale Terrestre (I)
TDT : TV Digital Terrestre (E)

DVDs

DVD

ACCOUSTIC SOLUTIONS....383
AEG....894,333
AIWA....377,383
AKAI....369,333
AKASHI....346
ALBA....384,350,381,357
ALL-TEL....333
AMES....383
AMSTRAD....350
ANABA....961
ANSONIC....356
APEX....921,384,357,911,390,913,949
ARENA....923
ASPIRE....952
A-TREND....347
AXION....942
AUDIOVOX....942
BAIER....349

B & K....978
BLACK DIAMOND....350
BLAUPUNKT....384
BLUESKY....373,357,350
BUSH....384,382,350,381,356
BRANDT....373,360
BROKSONIC....920,967
CAMBRIDGE....376
CENTREX....357
CENTRIOS....932,951,954,955
CENTRON....932
CENTRUM....346,926,928,927,350
CINETEC....350
CINEVISION....375
CLATRONIC....357,894
CLASSIC....383
CMI....923
COBY....332,916,946,947,948,357
CRITERION....344
CROWN....373
C-TECH....341
CURTIS....950,948
CYBERCOM....356,930,932,330,335,339,340,341,342,345,352,358,371,923,343,924,933,338,334,344,664,372,373
CYBERHOME....347,912,985
CYBERMAXX....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
CYTRON....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
DAEWOO....353,354,965,355,971,347
DANSAI....351
DAYTRON....925
DENON....364,389
DENVER....381
DESAY....958
DIAMOND....373,341
DIGIFRAME....930
DIGIX....962
DIGITREX....357
DK digital....356
DIK....356
DIVX....375,932
DMTECH....351,333
DRAGON SYSTEMS....356
DUAL....350,356,984,383,956,373,330,335,337,340,392,341,342,345,352,358,371,923,343,338,372,334,344,664
DURABRAND....333,375
DVD 1024....929
ELTA....365,382,894,333
EMERSON....339,375
EUROLINE....894
ESA....956
FARENHEIT....960
FERGUSON....373
FINLUX....375,357
FIRSTLINE....373
FISHER....378
FUNAI....339
GE....384
GOLDEN SPHERE....341
GOODMANS....373,382,350,333
GOLDSTAR....375,907,972
GO-VIDEO....383,338,367
GPX....910
GRADIENTE....373
GRUNDIG....385,370,380
H & B....343,350
HARMON/KARDON....395
HAAZ....341,342
HANSEATIC....375,351
HCM....894
HE....383
HITACHI....367,368,387
HITEKER....357
HOHER....356
HOME ELECTRONICS..383
HOMITA....934,935,936,937,938
HYUNDAI....351
ILO....959
INTERTRONIC....893,933,894
INITIAL....384
INTEGRA....374
JBL....395
JDB....383
JVC....361,400,964,662
KARCHER....351
KAWASHI....333
KENDO....356,923,350
KENWOOD....393,364
KLH....384
KONKA....908,909
KOSS....358,373
LAWSON....341
LASONIC....341
LECSON....376
LENCO....373,350,356
LENOXX....931,346
LG....375,907,972
LIFE....372,373
LIFETEC....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
LIMIT....341
LINN....336
LITEON....982
LOEWE....370,375
LOGIX....351
LUMATRON....332,342
MAGNAVOX....362,379,979,980,981,370,914
MANHATTAN....350
MARANTZ....370,379,981,375,362
MARK....350
MASTEC....335
MATSUI....373,357,350
MBO....396,383
MAXIM....331,350
MEDION....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
MEMOREX....356,339,920
METZ....368,350
MICROMAXX....356,893,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
MICROSOFT....399
MICROSTAR....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
MINATO....349
MINTEK....384
MIRROR....349
MITSUBISHI....350,366
MUSTEK....383
MxONDA....373
NAD....375,394
NAKAMICHI....398
NEVIR....356
NEXXTECH....932,954,955,956
NORCENT....332,982,944,945,948
NORDMENDE....356
NORIKO....349
OKANO....349
ONIX....346
ONKYO....374,975
OPTIMUS....368
ORION....920,335
ORITRON....373
PACIFIC....356,350,333,356
PACKARD BELL....939,940
PALSONIC....357
PANASONIC....401,364,403,970,974
PHILIPS....370,379,979,980,981,969,339,362
PIONEER....368,977,922,968,976
POLAROID....957,949
PRISM....335
PRO2....356,930,373,932,330,335,339,340,341,342,345,352,358,371,895,896,897,898,899,900,901,902,903,904,923,905,343,924,933,375,906,338,372,334,344,664,894
PROLINE....373,357,333
PROSCAN....399
PROSONIC....332,341,349
RADIONETTE....375
RCA....399,384
REDSTAR....894

REOC....341
REX....346
ROADSTAR....350,383
ROTEL....361
ROWA....384
RTL....923
SABA....373,915,360
SALORA....375
SAMPO....341,386
SAMSUNG....367,338,963,919
SANSUI....920,341
SANYO....378
SCHAUB LORENZ....894
SCIENTIFIC LABS....341
SCHNEIDER....350,352,356,373,351,894,333
SCHWAIGER....349
SCOTT....373,357
SEG....350,341,392
SHARP....371,394
SHERWOOD....391
SHINCO....384
SHINSONIC....384
SILVA SCHNEIDER....356
SINGER....341
SKYMASTER....382,383
SMART....350
SM ELECTRONIC....382,383
SONY....363,987,402,988,986,989
SOUNDMASTER....341
SOUNDMAX....341
SOUNDSTORM....330
STANDARD....373
SUNGALE....953
SUPERVISION....382,383
SYNN....341
SYLVANIA....339
TANDBERG....350
TCM....356,930,373,932,330,335,339,340,333,341,342,345,352,358,371,923,343,924,933,338,372,334,344,664
TEAC....368,333,341,384
TECHNICS....364,399
TECHNIKA....356
TECHWOOD....394,350
TELEFUNKEN....894,333
TELETECH....350
TENSAI....373
TERAPIN....943
TEVION....356,930,373,932,330,335,337,339,340,341,342,345,352,358,371,891,892,895,896,897,898,899,900,901,902,903,904,923,966,890,905,343,924,933,375,906,338,917,918,372,334,344,664
THETA DIGITAL....368
THOMSON....360,359,399
TOKAI....894
TOSHIBA....362,973,983,920
TREDEX....941
UNITED....333,348
UNIVERSUM....350
VENTURER....333
VESTEL....350
VOXSON....383,356
WALKVISION....384
WELKIN....356
WHARFEDALE....376,349,341
X-BOX....399
XLOGIC....341
XENIUS....373,358
XMS....894
YAMAHA....364,388,979,980
YAMAKAWA....397
YUKAI....383
ZENITH....375

DVD-R (Recorder)

APEX....911
ARENA....923
ASPIRE....952
CENTRIOS....951
CMI....923
CYBERCOM....923
CYBERHOME....912
CYBERMAXX....895,905,906,923
CYTRON....895,905,906,923
DUAL....923
GO-VIDEO....383
HITACHI....387
ILO....959
KENDO....923
LIFETEC....895,905,906,923
MAGNAVOX....979,980
MEDION....895,905,906,923
MICROMAXX....895,905,906,923
MICROSTAR....895,905,906,923
MUSTEK....383
PACKARD BELL....940
PANASONIC....403
PHILIPS....979,980
PRO2....895,905,906,923
RTL....923
SONY....987,988,989
TCM....923
TEVION....890,891,895,905,906,923
THOMSON....360,359
TOSHIBA....973,983
YAMAHA....979,980

HDD/DVR

AMSTRAD....555
BSKYB....555
CANAL+....599
CANAL SATELLITE....599
CYBERCOM....412,423,514
CYBERMAXX....905,412,423,514,644,653
CYTRON....905,412,423,514,644,653
DIGIFUSION....647
DUAL....412,423,514
FORCE....553
HUMAX....651
HYUNDAI....486
LIFETEC....905,412,423,514,644,653
LIFESAT....412,423,514
MEDION....905,412,423,514,644,653
MICROMAXX....905,412,423,514,644,653
MICROSTAR....905,412,423,514,644,653
MORETV....644
PACE....555,453
PANASONIC....403
PHILIPS....242
PRO2....905,412,423,514,644,653
SAGEM....599
SCHWAIGER....412
SKY+....555
SKY DIGITAL....555
TCM....412,423,514
TEVION....890,905,412,423,514,644,653
THOMSON....532,242,326
TIVO....242
TOPFIELD....506
TOSHIBA....983

COMBOS

TV/VCR

ALBA....245,248
AIWA....248,291
BAIRD....245
BASIC LINE....245
BESTAR....245
BLACK PANTHER LINE....245
BUSH....245,248
COMBITECH....248
CONDOR....245
CROWN....245
CYBERCOM....248,291
CYBERMAXX....248,291
CYTRON....248,291
DAEWOO....245
DAYTRON....245
DUAL....248,291
ESC....245
GENERAL TECHNIC....248
GOLDSTAR....261

GOODMANS 245,283
GRANDIN 245
HINARI 248
INNO HIT 245
INNOVATION 248,291
ITV 245
KENDO 245
LENCO 245
LG 261
LIFE 291
LIFETEC 248,291
LUMATRON 245
MAGNUM 291
MATSUI 248
MEDION 248,291
MICROMAXX 248,291
MICROSTAR 248,291
ORION 248,283
PORTLAND 245
PRO2 248,291
PROSONIC 245
ROADSTAR 245
SABA 245
SAISHO 248
SAMSUNG 312
SAVILLE 248
SCHNEIDER 245,264
SONOKO 245
STANDARD 245
TCM 248,291
TEVION 248,291
THOMSON 245
UNITED QUICK STAR 245
VIDEON 248

TV/DVD (DVD&TV)

BROKSONIC 920
CYBERCOM ..... 343&228,924&210,933&228
CYBERMAXX ..... 894,343&228,924&210,933&228
CYTRON ..... 894,343&228,924&210,933&228
DUAL ..... 343&228,924&210,933&228
H & B ..... 343&228
INTERTRONIC 894
LIFETEC ..... 894,343&228,924&210,933&228
MEDION ..... 894,343&228,924&210,933&228
MEMOREX 920
MICROMAXX ..... 894,343&228,924&210,933&228
MICROSTAR ..... 894,343&228,924&210,933&228
ORION 920
PHILIPS ..... 339&181
PRO2 ..... 894,343&228,924&210,933&228
SANSUI 920
TCM ..... 343&228,924&210,933&228
TEVION ..... 894,343&228,924&210,933&228
TOSHIBA 920

DVD/VCR (DVD&VCR)

APEX 949
BROKSONIC 920,967
CINEVISION ..... 375&256
CYBERCOM ..... 338,375&256
CYBERMAXX ..... 338,896,906,375&256
CYTRON ..... 338,896,906,375&256
DAEWOO 971
DUAL ..... 338,375&256
EMERSON ..... 339&231,375&256
FUNAI ..... 339&231
GO-VIDEO 338,367
GOLDSTAR ..... 375&256
HITACHI ..... 387&231
JVC 400
LG ..... 907,375&256
LIFETEC ..... 338,896,906,375&256
MAGNAVOX ..... 914&285
MEDION ..... 338,896,906,375&256
MICROMAXX ..... 338,896,906,375&256
MICROSTAR ..... 338,896,906,375&256
PANASONIC 970
PHILIPS ..... 969&285
POLAROID 949
PRO2 ..... 338,896,906,375&256
SAMSUNG 338,963
SANSUI 920
SANYO ..... 378&258
SONY 402
SYLVANIA ..... 339&231
TCM ..... 338,375&256
TEVION ..... 338,896,906,375&256
ZENITH ..... 375&256

AUDIO

CD

ADCOM 848
AIWA 849,850,851,751
AKAI 853,854,855
ALBA 856
ARCAM 732
BESTAR 859
BSR 860
BUSH 661
CARRERA 663
CLASSIC 807
CONDOR 860
CYBERCOM 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
CYBERMAXX 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
CYTRON 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
DENON 665,666
DUAL 843,848,664,668,675,694,730,742,743,744,745,746,747, 798,801,802,803
EMERSON 848,859
ELTA 667,668,693,694,745
FISHER 669
GENEXXA 859,671,672,673,675,676,677
GOLDSTAR 663
GOODMANS 678,679
GRUNDIG 680,697,698,732
HARMON KARDON 683
HITACHI 848,685,686
INNOVATION 730,742,743,744,745,746,747
JVC 662,687
KENWOOD 669,688,689,690,762
LIFETEC 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
LINN 732
LG 663
LUXMAN 691
MAGNUM 730,742,743,744,745,746,747
MARANTZ 695,732
MATSUI 696,732
MEDION 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
MEMOREX 848,859,677
MERIDIAN 732
MICROMEGA 732
MICROMAXX 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
MICROSTAR 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
MISSION 732
NAD 671,733,735,736,737,800
NAIM 732
NAKAMICHI 699,700
ONKYO 840,701,702,703,785,792
PANASONIC 661,705
PHILIPS 847,706,732
PHILIPS CD-V 840
PIONEER 673,677,753
PRO2 ..... 843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
PROTON 732
QUAD 732
REALISTIC 848,859,675
ROADSTAR 706,708
ROTEL 732
SABA 848
SAE 732
SAMSUNG 768
SANSUI 847,709,710,711,732
SCHNEIDER 860,732
SCOTT 859
SHARP 672,712,713,714
SHERWOOD 782

SINGER.....803
SKYMASTER.....778
SONY.....671,716,717,718,741,748,749,750
TANDBERG.....732
TCM.....843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809
TEAC.....795
TECHNICS.....705,721,763,787
TELEFUNKEN.....848
TEVION.....843,664,668,674,675,694,730,742,743,744,745,746,747, 801,802,803,807,809,813,814,816
THEORIE & ANWENDING...804
THOMSON.....842,848
TOSHIBA.....722,723
UNIVERSUM.....732
VECTOR RESEARCH.....663
VICTOR.....687
WELLTECH.....675,694,744
YAMAHA.....712,720,725,771
YORX.....708

AUDIO

Audio Amplifiers/Tuners/Receivers

CENTRUM.....692
CYBERCOM.....841,775,776
CYBERMAXX.....841,775,776
CYTRON.....841,775,776
DENON.....779,781
DUAL.....841,775,797
ELTA.....667,668
GRUNDIG.....697,698,727
HARMON KARDON.....682
KENWOOD.....761
LIFETEC.....841,775,776
LINN.....857
MARANTZ.....727
MEDION.....841,775,776
MICROSTAR.....841,775,776
MICROMAXX.....841,775,776
NAD.....735,736,737,738,799,800
ONKYO.....785,792,793
PHILIPS.....846,727
PRO2.....841,775,776
SANSUI.....727
SCHNEIDER.....791
SHERWOOD.....782
SONY.....739,740,755,757,758,759,760
TCM.....841,775,776,806
TEAC.....794,796
TECHNICS.....764,777,788
TEVION.....775,776,815,817,841
THEORIE & ANWENDING...805
THOMSON.....842,766
YAMAHA.....724,752,770,771,772

Audio Tape Players

AIWA.....790
DENON.....780
GRUNDIG.....729,698
HARMON KARDON.....681
KENWOOD.....761
MAGNAVOX.....729
MARANTZ.....729
NAD.....799
ONKYO.....784
PHILIPS.....729
SANSUI.....729
SHERWOOD.....783
SONY.....754,755,756
TEAC.....794
TECHNICS.....764,777,786
THOMSON.....842
YAMAHA.....724,772

MINI Systems

AIWA.....773,774
CYBERCOM.....852,858,704,745,808,810
CYBERMAXX.....852,858,704,745,808,810,811,812
CYTRON.....852,858,704,745,808,810,811,812
DUAL.....852,858,704,745,797
ELTA.....693,745
GRUNDIG.....707
INTERTRONIC.....811
LIFETEC.....852,858,704,745,808,810,811,812
MEDION.....852,858,704,745,808,810,811,812
MICROSTAR.....852,858,704,745,808,810,811,812
MICROMAXX.....852,858,704,745,808,810,811,812
PIONEER.....753
PRO2.....852,858,704,745,808,810,811,812
SAMSUNG.....768
SHARP.....789
SONY.....741
TCM.....852,858,704,745,808,810
TEVION.....852,858,704,745,808,810,811,812
WELLTECH.....852,810

Misc.

Video CD.....840
Audio Combi.....844
DBS.....845
CDR.....847,675
Switch Box.....684

HTIB (Home Cinema)

AIWA.....377
CENTRUM.....927
COBY.....948
CRITERION.....344&775
CURTIS.....948
CYBERCOM.....334,372,344&775
CYBERMAXX.....334,372,344&775
CYTRON.....334,372,344&775
DUAL.....334,372,344&775
DURABRAND.....375
FISHER.....378
JVC.....662,964
KOSS.....373
LENOXX.....931
LG.....972
LIFETEC.....334,372,344&775
MEDION.....334,372,344&775
MICROMAXX.....334,372,344&775
MICROSTAR.....334,372,344&775
NORCENT.....948
ONKYO.....975
PANASONIC.....974
PIONEER.....968,976
PRO2.....334,372,344&775
SAMSUNG.....919
SONY.....986
TCM.....334,344&775
TEVION.....334,372,892,917,918,344&775

OTHERS...

LD (Laser Disc Player)

DENON.....252,318
GRUNDIG.....318
MITSUBISHI.....318
NAD.....318
PIONEER.....318
TELEFUNKEN.....318
THORN.....322

MISC (Set top box)

Web & Computer TV

BUSH.....039
GERICOM.....443
HAUPPAUGE.....482
PANASONIC.....542
THOMSON.....603

Media Receivers

SONY NETWORK 446
MEDIA RECEIVER

Scart Switch Boxes

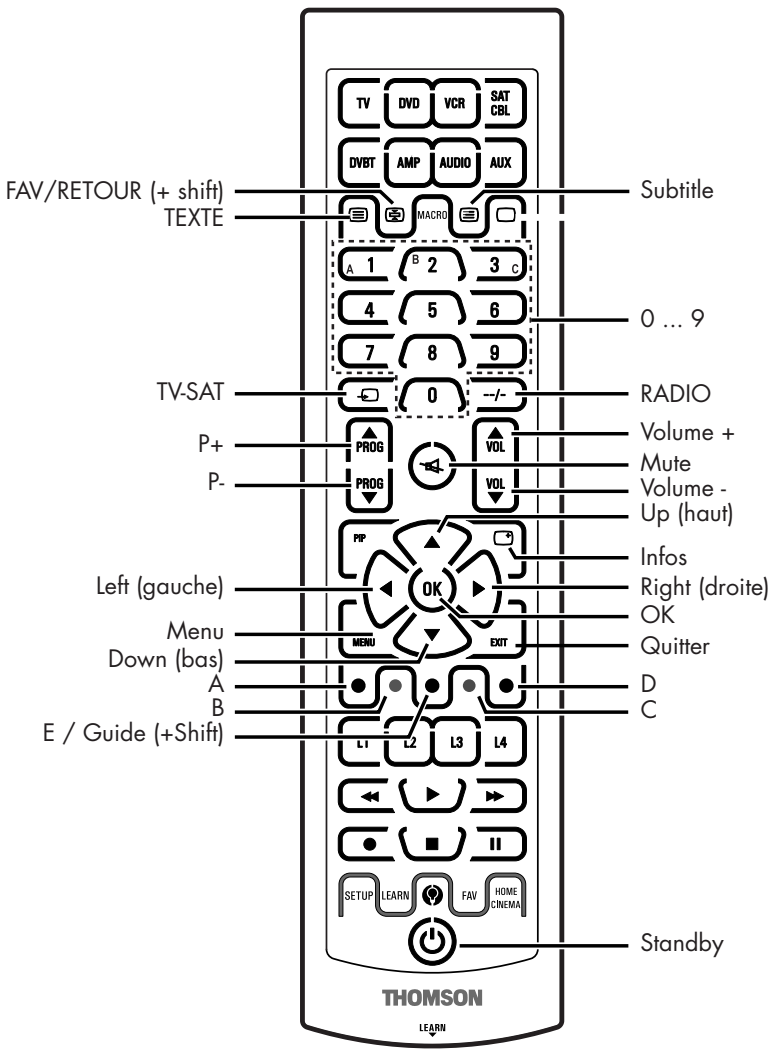
MARMITEK.....641
VIVANCO.....684

HOME

HOME AUTOMATION 998

CODE 570
(Logo registered by TPS)

ROC **4505 / 6505 / 8505**



CANAL SATELLITE

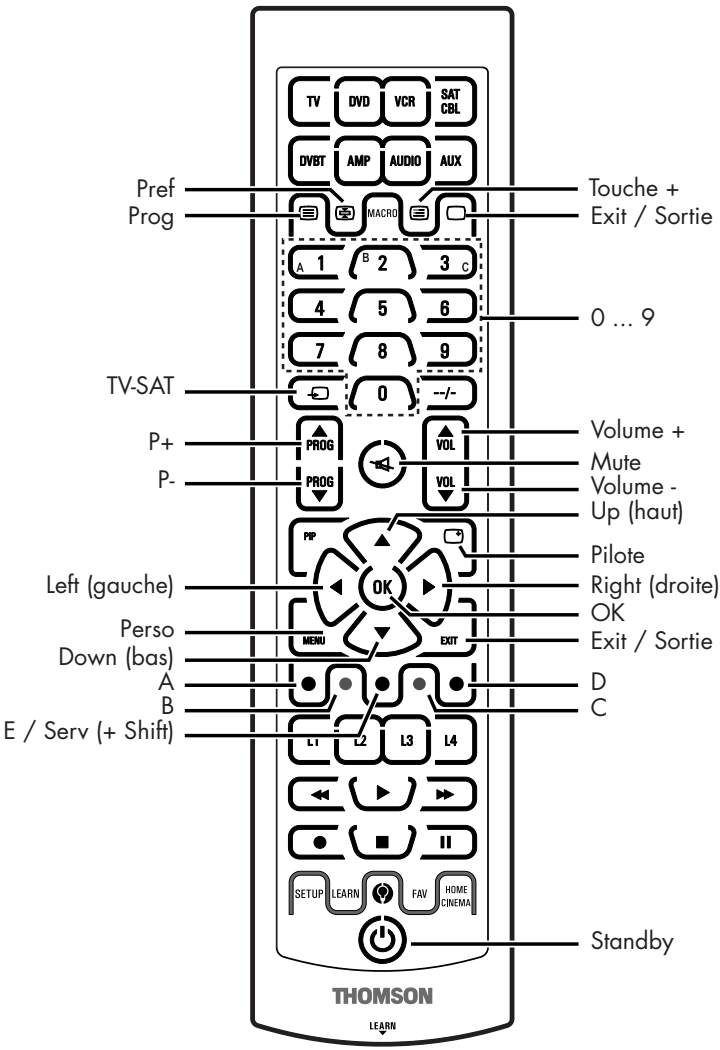
TELE +

PREMIERE

CODE 569

(Logo registered by CANAL SAT)
(Logo registered by PREMIERE)

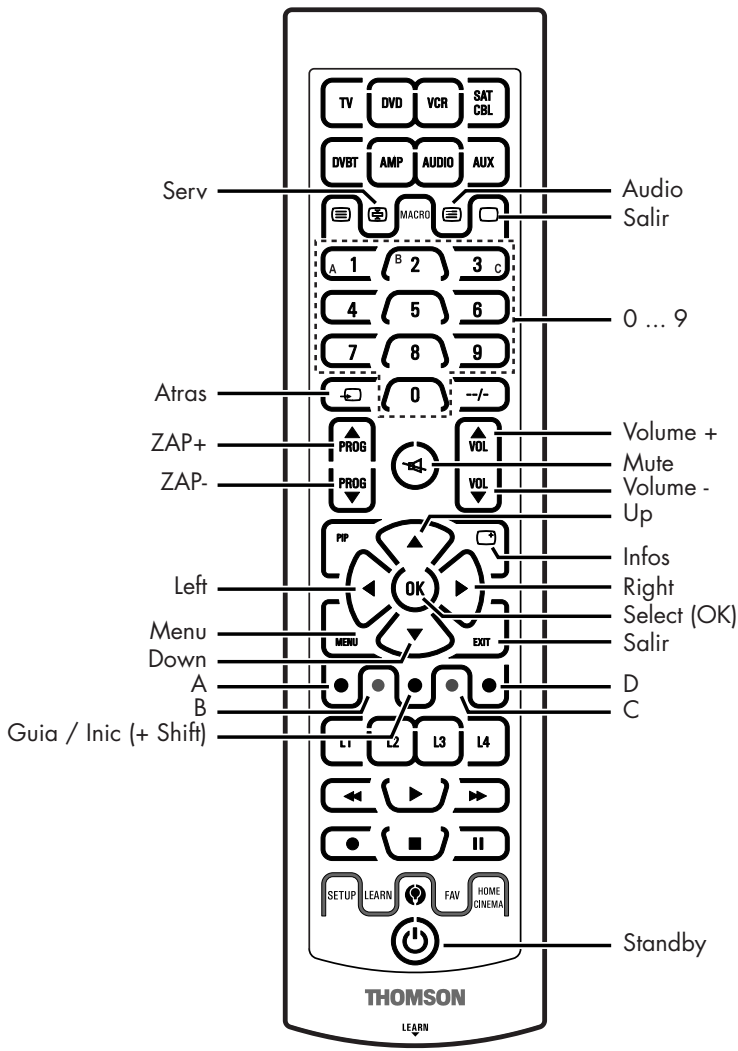
ROC **4505 / 6505 / 8505**



CODE 568

(Logo registered by VIA DIGITAL)

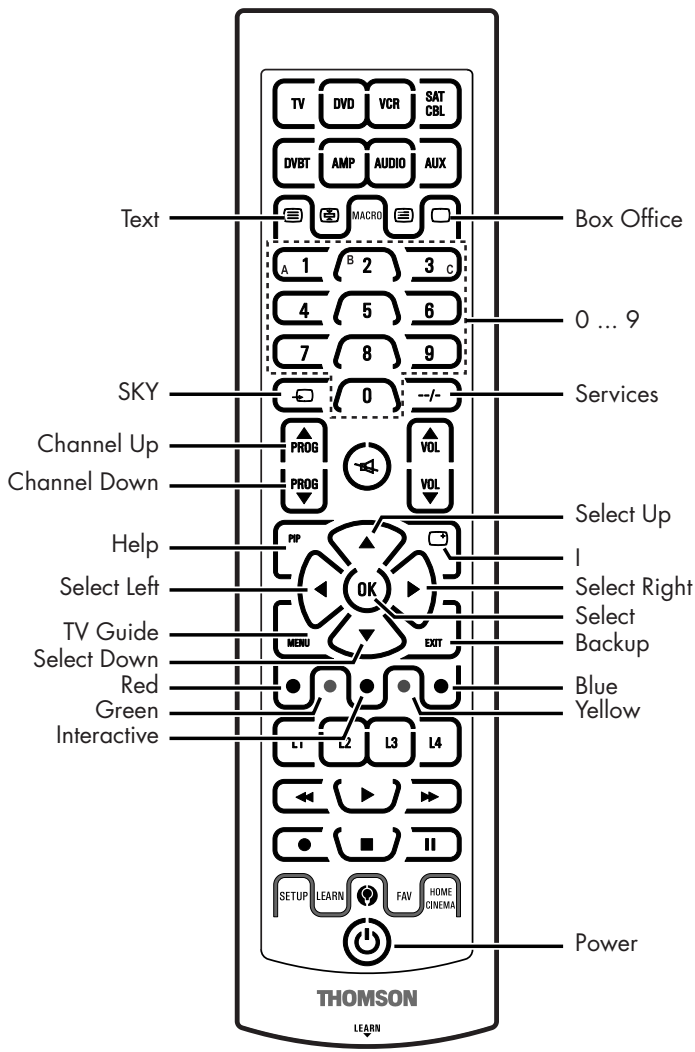
ROC **4505 / 6505 / 8505**



CODE 584

(Logo registered by SKY DIGITAL)

ROC **4505 / 6505 / 8505**



LEAFLET MAPPING / ISSUE 02 / RST - AWS / 08-2005

ROC **4505 / 6505 / 8505**

TÉLÉTEXTE / VIDEOTEXT / FASTEXT / TOP TEXT / FLOF TEXT

GB

- Access the contents
- To stop scrolling pages
- Info key
- Back to TV programme

F

- Télétexte Oui/Non
- Arrêt de l'alternance des pages
- Touche info
- Retour au programme TV

D

- Zugriff auf den Inhalt
- Stoppen der durchlaufenden Seiten
- Info-Taste
- Zurück zum Fernsehprogramm

I

- Accesso al sommario
- Stop alternanza pagine
- Tasto info
- Ritorno al programma TV

E

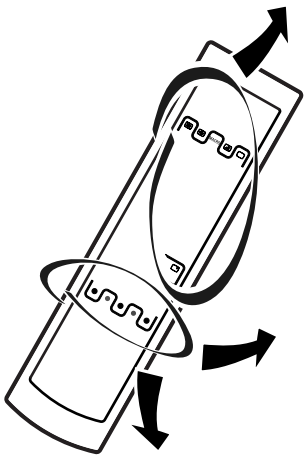
- Acceso al índice
- Parada de alternancia de las páginas
- Tecla de información
- Regreso al programa de TV

NL

- Toegang tot de inhoudsopgave
- Stopzetten van de paginaopvolging
- Toets info
- Terug naar het TV-programma

P

- Acesso ao índice
- Interrupção da alternância das páginas
- Tecla informação
- Retorno ao programa TV



FASTEXT

- **GB** Access to headings
- **F** Accès aux rubriques
- **D** Zugriff auf die Rubriken
- **I** Accesso alle rubriche
- **E** Acceso a las rúbricas
- **NL** Toegang tot de rubrieken
- **P** Acesso às rubricas

TOPTEXT

- **GB** Blue: Access to headings / Yellow: Access to articles
- **F** Bleue : Accès aux rubriques / Jaune : Accès aux articles
- **D** Blau: Zugriff auf die Rubriken / Gelb: Zugriff auf die Artikel
- **I** Blu : Accesso alle rubriche / Giallo : Accesso agli articoli
- **E** Azul: Acceso a las rúbricas / Amarillo: Acceso a los artículos
- **NL** Blauw: Toegang tot de rubrieken / Geel: Toegang tot de artikelen
- **P** Azul: Acesso às rubricas / Amarela: Acesso aos artigos